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OHM Remediation Services Corp.
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DRAFT
CLOSURE REPORT
FOR
REMOVAL OF LEAD-IMPACTED SOIL
AT THE
OLD SMALL ARMS RANGE
SS-033

PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

CONTRACT NO. F41624-94-D-8106
DELIVERY ORDER 0003
CDRL A030
DOCUMENT CONTROL NO. D003105

Submitted to:

Air Force Center for Environmental Excellence
Brooks Air Force Base
San Antonio, Texas

Submitted by:

OHM Remediation Services Corp.
Hopkinton, Massachusetts

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February 5, 1998
OHM Project 17257-OSARCLOS
Rev. 01 March 16, 1998

TABLE OF CONTENTS

TABLE OF CONTENTS (CONTINUED)

APPENDICES (continued)

LIST OF TABLES

LIST OF FIGURES

LIST OF SURVEY DRAWINGS

LIST OF ACRONYMS AND ABBREVIATIONS

AEN	American Environmental Network
AFB	Air Force Base
AFCEE	Air Force Center for Environmental Excellence
DOD	Department of Defense
EPA	Environmental Protection Agency
ft	Feet
IRP	Installation Restoration Program
mg/kg	Milligrams per kilogram
NPL	National Priorities List
NSAR	New Small Arms Range
NYSDEC	New York State Department of Environmental Conservation
OHM	OHM Remediation Services Corp.
OSAR	Old Small Arms Range
PAFB	Plattsburgh Air Force Base
QC	Quality control
TAL	Target Analyte List
URS	URS Consultants, Inc.

1.0 INTRODUCTION

This closure report describes remedial actions conducted to remove lead-contaminated soil from the Old Small Arms Range (OSAR) at the Plattsburgh Air Force Base (PAFB), located in Plattsburgh, New York. Data from the post-removal confirmation samples collected from the OSAR are also included in this report. OHM Remediation Services Corp. (OHM) performed the sampling and removal action activities under Delivery Order 0003 at PAFB under Federal Contract No. F41624-94-D-8106 following the procedures described in the Final Environmental Cleanup Plan for Remedial Actions at Old and New Small Arms Ranges (OHM 1996a), the Final Site Specific Environmental Sampling and Analysis Plan Addendum for Old Small Arms Range-Lead Sampling (OHM 1996b), and in the Final Technical Report Old Small Arms Range - Lead Sampling (OHM 1997a).

1.1 SITE DESCRIPTION AND HISTORY

PAFB is located in northeastern New York State. The 4,795-acre base is bordered on the north by the City of Plattsburgh, and on the east by Lake Champlain. The United States government owns 3,365 acres, while the remaining 1,430 acres are registered easement tracts. PAFB has ceased operations as an active military installation. While active, the primary mission of the base was fulfilled by the 380th Air Refueling Wing. The 380th Combat Support Group was the major support unit assigned to the Wing.

PAFB is part of the Department of Defense (DOD) Installation Restoration Program (IRP). As a result, programs have been implemented to identify, evaluate, and remediate former disposal or spill sites containing hazardous materials. Since initiation of the IRP, PAFB has been placed on the National Priorities List (NPL) of sites to be remediated through the United States Environmental Protection Agency (EPA) Superfund Program.

The OSAR, also referred to as Spill Site 033 (SS-033), is located west of the flightline at the northwest end of the Base (Figure 1-1). Between 1960 and November 1989, this site was used as a practice range for small caliber pistols and rifles. Operations ceased when the Combat Arms Training Complex began operations.

The former OSAR site features are presented in Figure 1-2. "The range consisted of 20 firing stalls on a concrete pad (firing line) facing an approximately 120-foot wide by 35-foot high embankment used to stop fired rounds. The target line was at the base of the embankment approximately 25 yards from the firing line. Targets were also set up for 7 and 15-yard firing courses. A trailer (former Building 3425) for range personnel was located immediately north of the firing line concrete pad. The trailer and concrete pad reportedly were installed in 1970 and removed in the fall of 1994" (URS, 1995).

Both the large open area to the north of the former trailer and an accumulation of wasted 0.30 carbine ammo cans, stripper clips, and cartridge brass in the woods approximately 360 feet north of the former target line suggest that the range may have extended farther north prior to 1970.

Some older maps and drawings also portray a longer rifle range (up to 200 yards in length). (URS, 1995)

1.2 PREVIOUS REMOVAL ACTION AND INVESTIGATION ACTIVITIES

One removal action and three follow-up sampling events have previously been conducted at the OSAR. Each event is summarized in the following sections.

1.2.1 1993 Removal Action

"A removal action commenced in mid-1993 and consisted of: excavating soils from the backstop embankment (south of the target line); sifting the soils to recover the bullets and bullet fragments for recycling; mixing contaminated soils with a concrete slurry for disposal at LF-023 (a former landfill); and replacing excavated soil with clean fill. A pile of recovered bullets and bullet fragments was stockpiled at the site until its removal in February 1995.

In June 1993, a second round of surface soil sampling was performed in the area of excavation prior to backfilling. Plattsburgh AFB personnel collected twelve samples, three of which were split with NYSDEC personnel. Lead was detected in some of the soil samples at concentrations that exceeded 40 CFR 261 TCLP criteria" (URS, 1995).

1.2.2 1994 Investigation

In October and November of 1994, URS Consultants, Inc. (URS) began a site investigation to determine, among other objectives, if further remedial or removal actions were warranted. Samples were collected from the firing line to the top of the target backstop. At each sample point, two samples were collected: one at a depth range of 0 to 0.3 feet and one at a depth range of 1 to 1.5 feet. At four locations, URS collected samples at a depth range of 2 to 2.5 feet. Additionally, background samples were collected at locations, SS-33-31 and SS-33-32. The URS sampling locations are included in Figure 1-3.

Eight of the 30 samples taken at the 0 to 0.3 foot depth and two of the samples taken at the 1 to 1.5 foot depth contained lead at concentrations greater than 400 milligrams per kilogram (mg/kg). The four samples collected at a depth range of 2 to 2.5 feet did not contain lead at concentrations above 400 mg/kg. The ten samples containing elevated lead concentrations were collected from locations north of the former target line. URS recommended that the lead-contaminated soil be removed from this area (URS, 1995). Data from the URS sampling event are summarized in Appendix B.

1.2.3 1996 Sampling Event

In June 1996, OHM collected samples from the OSAR on a 50-foot by 50-foot sampling grid to further assess the extent of lead contamination identified by URS. A total of 57 soil samples, not including duplicate samples, were collected for total lead analysis (Figure 1-3). The URS investigation indicated that lead contamination was concentrated in the 0 to 0.3 foot depth range. Therefore, samples were collected from this depth at 51 locations. A minimum of 10% of these locations were chosen for additional sampling from a depth of 1.0 to 1.5 feet to verify that the elevated lead levels were confined to the surface soils as presented in the URS Site Investigation Report. A total of 6 additional samples were collected at this depth interval. The locations of the 1.0 to 1.5 foot soil samples were selected at random to eliminate bias from previous data.

Analytical results indicated that lead contamination at the OSAR was not widespread. Lead concentrations exceeded 400 mg/kg at only 4 of the 51 locations sampled. Data from this sampling event are summarized in Appendix C. One of these four locations (A4) was collected just north of the former target line, within the area identified by URS as requiring removal action. The remaining three locations (C1, C4, and E3) containing elevated lead concentrations were scattered to the west, north and northwest of the former firing line (Figure 1-3). OHM recommended that additional samples be collected around these three points to more accurately delineate the lateral extent of lead contamination.

1.2.4 1997 Sampling Event

In May 1997, OHM collected a total of 17 soil samples (including one duplicate sample) around former sample locations C1, C4, and E3 to more accurately assess the lateral extent of lead contamination around these areas. One sample (OSAR-E4-A) not related to locations C1, C4 or E3 was also collected during this sampling event to assess the concentration of lead in soil adjacent to the debris pile. A letter report containing the analytical results for this sampling event is provided in Appendix D. Two of the 17 samples contained lead at concentrations above 400 mg/kg. Both samples (CD4 and C10) were collected around former sample location C4 (Figure 1-3). Data from this sampling event was used along with the data from the 1994 and 1996 sampling events to delineate the removal areas. Based on the additional data collected during this sampling event, it was determined that no removal action was needed around OHM sample point C1 because it was located adjacent to the wooded area outside of the line of fire and because elevated lead levels were not detected in the two additional samples collected from this location (Appendix D). The locations of the selected removal areas around sample points A4, C4, and E3 are described in Section 2.0.

1.3 ENVIRONMENTAL CLEANUP GOALS

The environmental cleanup goal is 400 mg/kg (USEPA, 1994) for total lead (EPA Method 6010, Inductively Coupled Plasma). Analytical results from the previous URS and OHM sampling events were compared against this action level to identify lead-contaminated areas and to delineate removal areas. Post-removal confirmation sample results were also compared against this action level to ensure that the cleanup goals had been achieved.

1.4 REPORT ORGANIZATION

This report is divided into the following Sections:

- Section 1.0 - Describes the purpose and organization of this report.
- Section 2.0 - Describes OHM's initial excavation and removal activities.
- Section 3.0 - Describes the post-removal confirmation sampling activities.
- Section 4.0 - Describes the re-excavation activities which were conducted based on confirmation sampling results.
- Section 5.0 - Describes the transportation and disposal of the lead-contaminated soil.
- Section 6.0 - Contains a list of references cited in this report.

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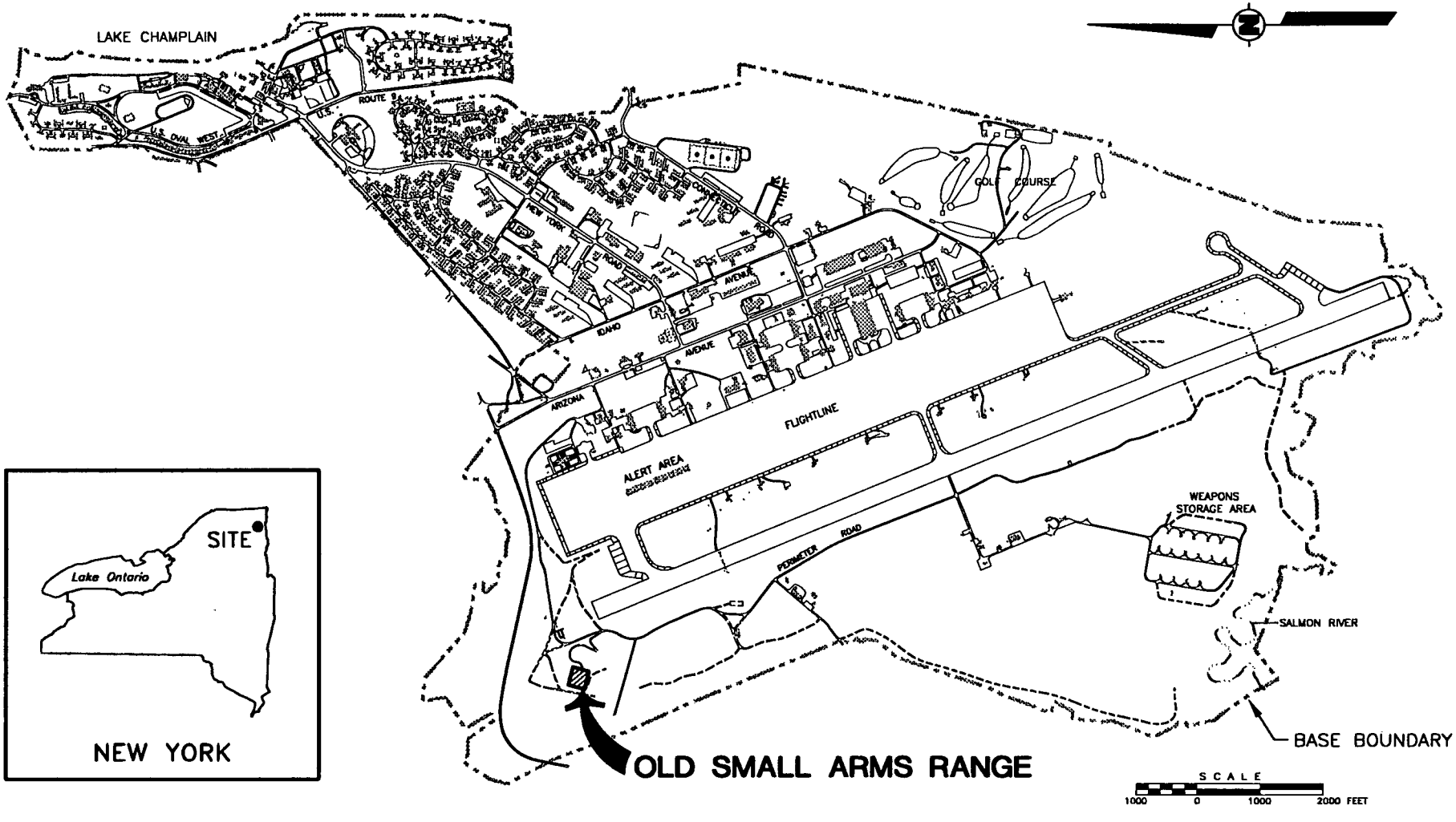


Legend

BASE BOUNDARY

OLD SMALL ARMS RANGE

OHM Remediation Services Corp.

OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
A. Smith	K. Fagan	M. Cormier
Date:	Scale:	Drawing No.
2/5/98	AS SHOWN	17257-A10

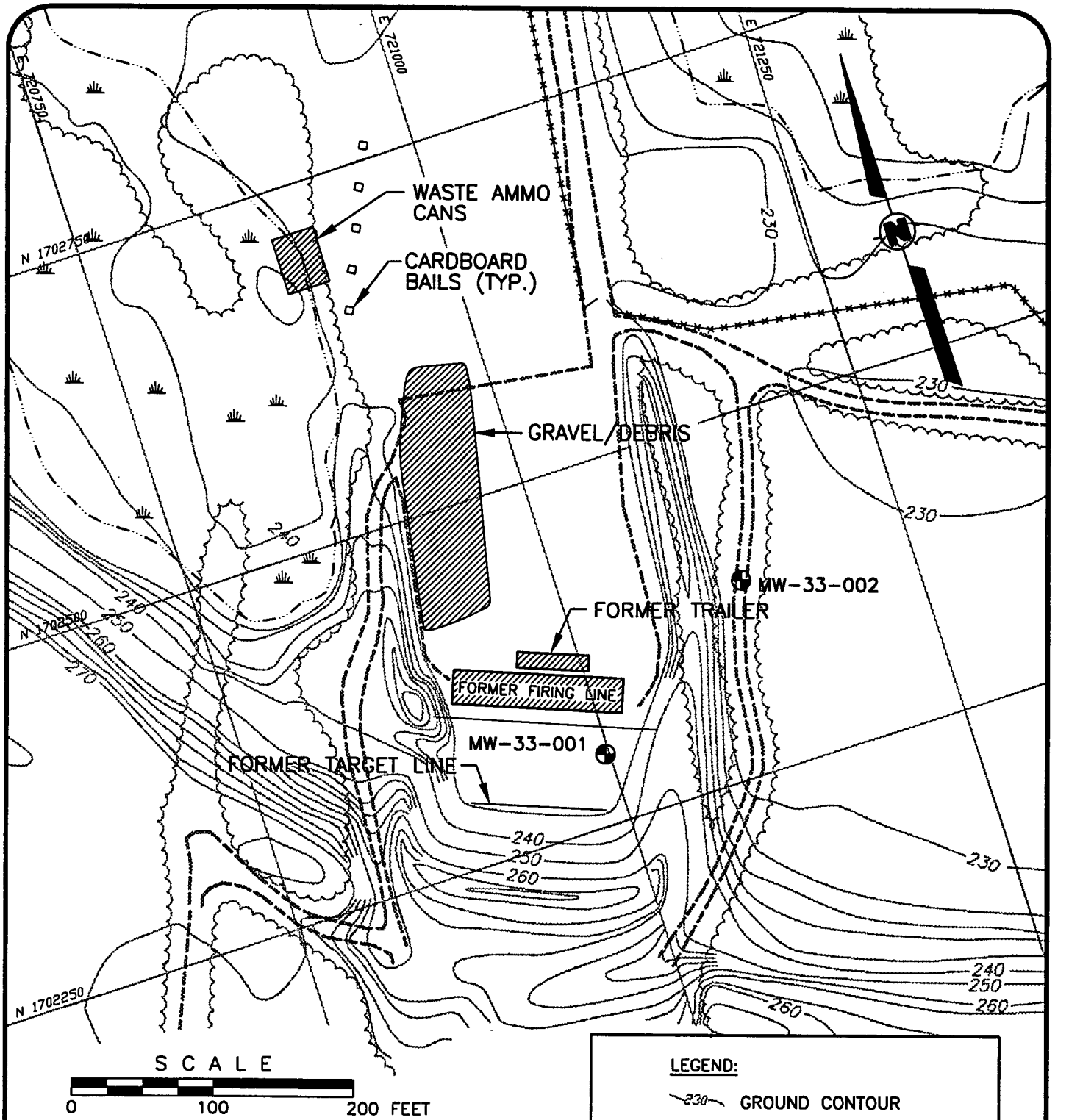
FIGURE 1-1

SITE LOCATION MAP

OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS



REFERENCE:

BASE MAP WAS TAKEN FROM DRAWINGS SUPPLIED BY THE U.S. AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE, BROOKS AIR FORCE BASE, TEXAS.

OHM Remediation Services Corp.

OHM Project No. 17257

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B. O'Connor	K. Fagan	M. Cormier
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FIGURE 1-2

SITE FEATURES MAP

OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

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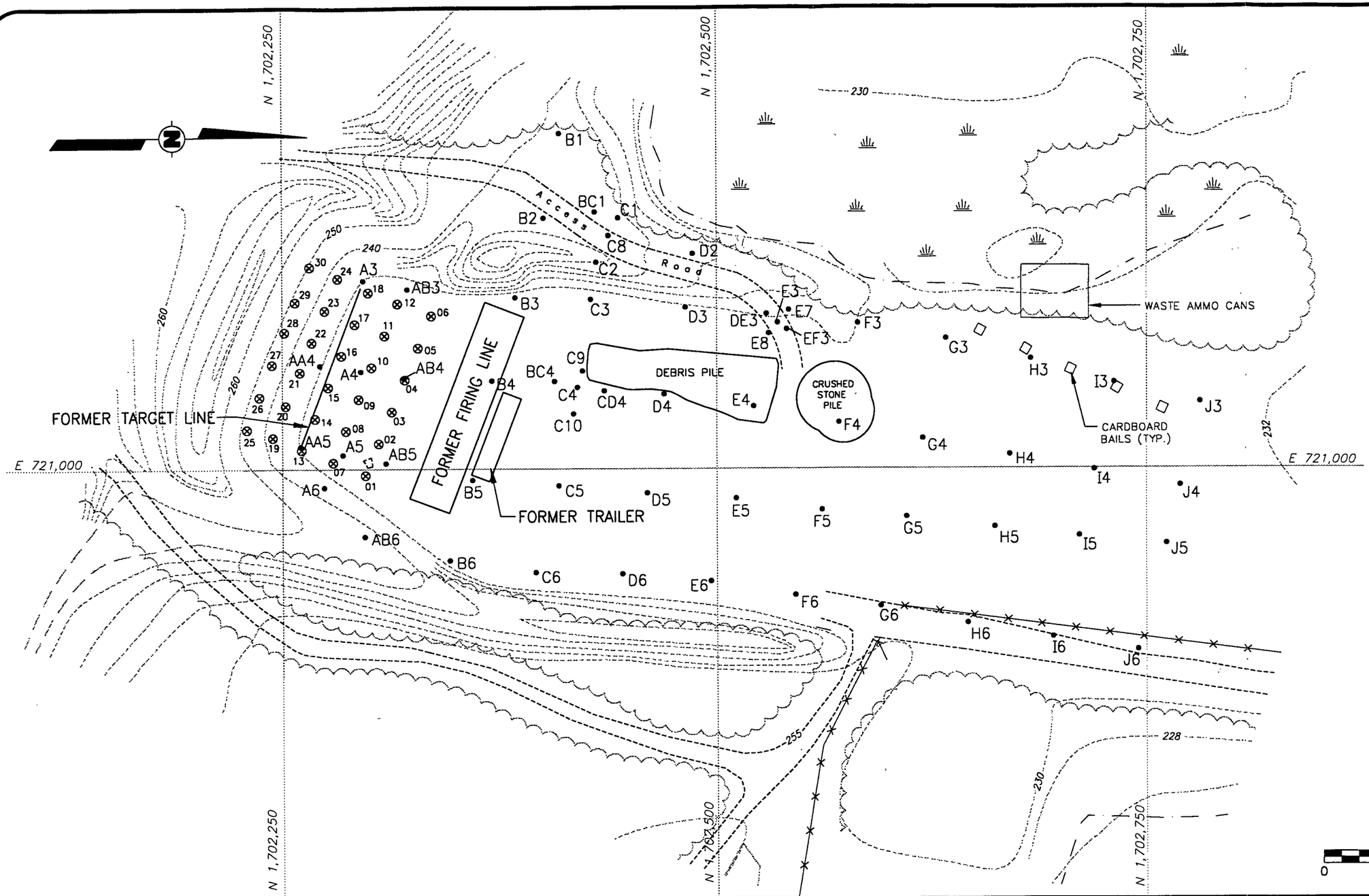

General Notes and Legend

- 260 — EXISTING GROUND CONTOUR
- CHAIN LINK FENCE
- C5 — OHM PRE-EXCAVATION SAMPLE LOCATION AND ID (CONTAINS THE PREFIX "OSAR-")
- 25 — URS PRE-EXCAVATION SAMPLE LOCATION AND ID (CONTAINS THE PREFIX "SS-33-")

No.	Revision/Issue	Date

OHM Remediation Services Corp.
OHM Project No. 17257

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A. Smith	T. Quirk	G. Guimond
Date: 3/4/98	Scale: AS SHOWN	Drawing No. 17257-B15

FIGURE 1-3
PRE-EXCAVATION SAMPLE LOCATIONS
OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

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2.0 EXCAVATION AND REMOVAL ACTIVITIES

2.1 SITE PREPARATION

Prior to the start of the excavation and removal activities at the OSAR, Design Engineering and Land Surveying P.C. (Design Engineering), located in Plattsburgh, New York was contracted to survey the previous URS and OHM sampling points in order to tie these locations into the existing site base map. The survey data were used in the field to locate the sample location flags and to stake out the excavation areas.

Delineation of the three soil removal areas was based on data presented in the Final Technical Report (OHM 1997a), the letter report for the Second Lead Sampling Event (OHM 1997b), and OHM's responses to comments on the OSAR Lead Sampling report (OHM 1997c). The letter report and responses to comments are provided in Appendices D and E, respectively. The protocol described in the Final Technical Report (OHM 1997a) of removing soil from an area half the distance between the lead-contaminated and the "clean" areas was used to delineate the three removal areas. Sample locations with lead concentrations below the 400 mg/kg action level were considered "clean". The following is a summary of the three removal areas:

- Area 1 was located just north of the former target line and was the area originally identified by URS as requiring removal (Figure 2-1). Sample A4, collected within this area by OHM in 1996, also contained elevated lead concentrations. OHM recommended excavating to a depth 6 inches below the depth at which contamination was detected (OHM 1997a). Therefore, this removal area was divided into two sections based upon the depths of lead contamination. The first section was a small area centered around URS sample locations 15 and 16 where lead contamination was measured to a depth of 1.5 feet. It was recommended that soil be excavated to a depth of 2 feet in this area as shown on Figure 2-1. The second section encompassed the remainder of the URS removal area in which lead contamination was measured to a depth of 4 inches. Removal of a minimum of 10 inches of soil was recommended for this area as shown on Figure 2-1.

- Removal Area 2 was located north of the former firing line adjacent to the debris pile (Figure 2-1). Sample locations C4, CD4, and C10 within this area contained elevated lead concentrations. As shown in this Figure, a 25-foot by 25-foot portion of the removal area centered around C4 was designated to be excavated to a depth of 2 feet, while a minimum of 10 inches was recommended to be removed from the remainder of the area.

- Removal Area 3 was centered around sample location E3 (Figure 2-1). Four additional samples were collected 12.5 feet away from E3 along each original grid line. All four samples had lead concentrations below the action level. Therefore, OHM originally proposed to remove soil from a distance halfway between E3 and the four additional sample locations. However, since the EPA requested that the removal areas not be reduced by more than half the originally planned size (50 feet by 50 feet), OHM recommended that the removal area

be reduced to 25-feet by 25-feet, centered at sample location E3. A minimum of 10 inches of soil was designated to be removed from this area.

2.2 REMOVAL ACTIVITIES

On 19 November 1997, excavation activities began at removal Area 3 followed by Areas 2 and 1, respectively. A Kobelco 907 excavator located outside the delineated removal area was used to remove the soil. The excavated material was transferred from the excavator to a Catepillaar 966F front-end loader which was used to load the material into trucks to be transported to Model Landfill in Model City, New York. Excavation activities were performed in modified Level D protection.

An OHM engineer periodically monitored the removal activities to ensure that material was being excavated to the proper depths. The areas designated to be excavated to a depth of 2 feet were excavated to this depth. Areas in which a minimum of 10 inches of soil were recommended for removal were excavated to a depth of 1 foot. Photographs were taken periodically to document the removal activities. Copies of some of these photographs are provided in Appendix F.

Area 1 also contained lead-contaminated soil that was removed from the New Small Arms Range (NSAR) as part of the remedial activities conducted on 25 November 1996. This soil was removed during the final re-excavation effort at the NSAR. Since there was not enough soil removed from this area to fill one truck, the excavated material was transported to the OSAR and temporarily staged within Area 1 to be disposed of during the lead-contaminated soil removal from the OSAR as a cost-saving measure.

Monitoring well MW-33-001 was located within excavation Area 1. Soil was not removed from a small area around this monitoring well to prevent damaging the integrity of the concrete collar surrounding the well. Figure 3-1 in the following section and the second photograph in Appendix F, page F-1, show the area around the monitoring well that was not excavated.

The initial removal excavation activities were completed on 25 November 1997. A total of 590 tons of soil was removed from the site. Post-removal confirmation samples were collected from the excavated areas to determine if the cleanup criteria had been attained. Confirmation sampling and additional removal activities are discussed in the following sections.

2.3 WASTE AMMO CAN AREA REMOVAL ACTIVITIES

On 25 November 1997, as part of the OSAR remedial effort, OHM removed the pile of empty ammunition cans from the woods and collected samples for Target Analyte List (TAL) metals. The waste ammunition can pile was located 34 feet to the west of OHM sample location H3 (Figure 1-3). The approximate area occupied by the pile was 391 square feet. The cans were embedded approximately 1 to 2 feet into the ground. In addition, bails of cardboard and miscellaneous wooden debris located just east of the waste ammo can area were removed. Sample collection from the waste ammo can removal area for metals analysis was conducted at the request of the EPA and was not part of OHM's original Scope of Work under Delivery Order 0003. Therefore, no additional discussion of the analytical data from this sampling event is included in this report. However, a summary of the samples that were collected and their respective analytical results is provided in Appendix A.

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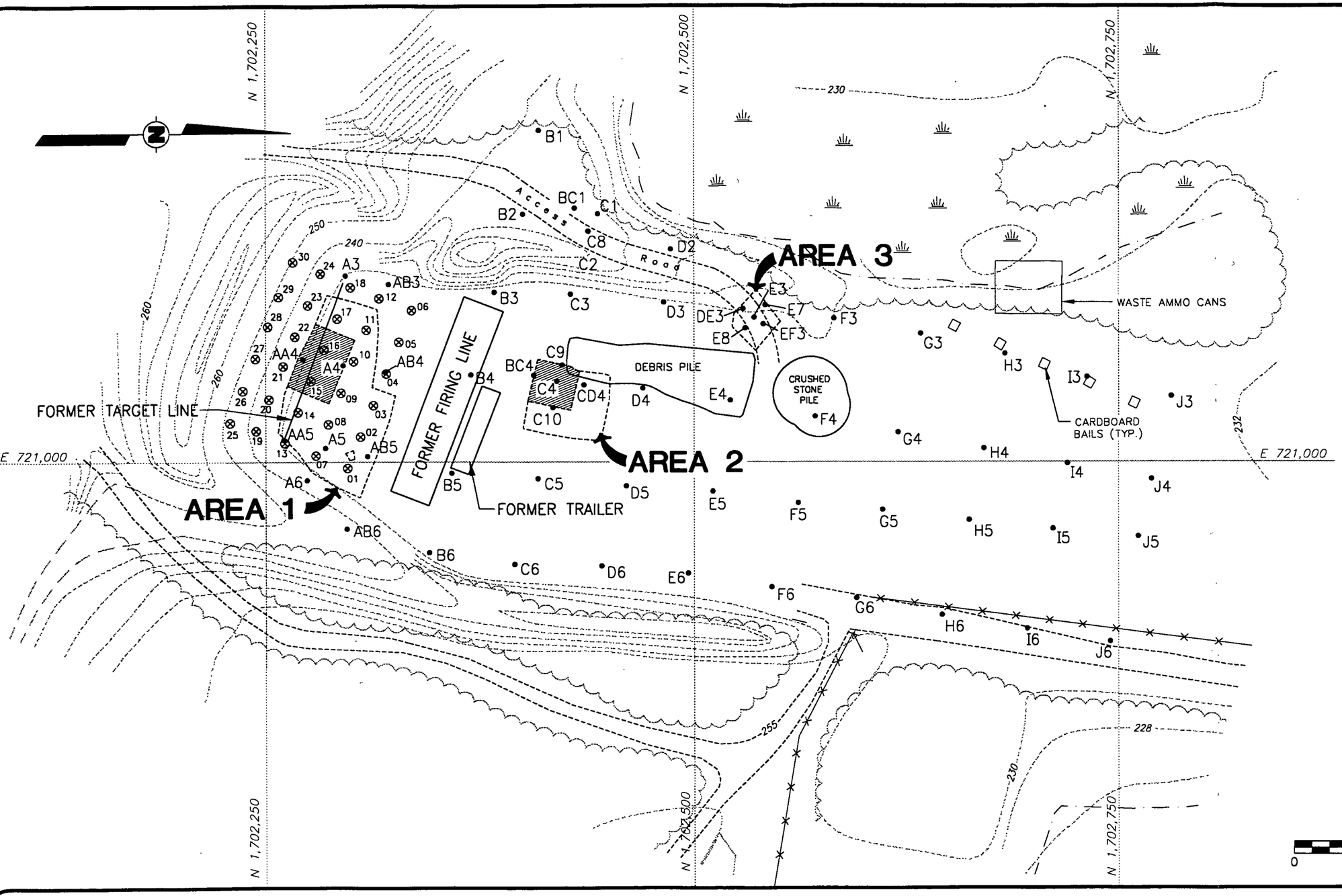

SCALE
0 60 120 FEET

General Notes and Legend

- 260 — EXISTING GROUND CONTOUR
- CHAIN LINK FENCE
- C5 — OHM PRE-EXCAVATION SAMPLE LOCATION AND ID (CONTAINS THE PREFIX "OSAR-")
- 25 — URS PRE-EXCAVATION SAMPLE LOCATION AND ID (CONTAINS THE PREFIX "SS-33-")
- PROPOSED EXCAVATION TO 2 FT DEPTH (ALL OTHER EXCAVATION WILL BE 10" DEPTH)

No.	Revision/Issue	Date

OHM Remediation Services Corp.
OHM Project No. 17257

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A. Smith	T. Quirk	G. Guimond
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FIGURE 2-1
DELINEATION OF REMOVAL AREAS
OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK
PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

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3.0 CONFIRMATION SAMPLING

3.1 SAMPLING STRATEGY AND PROCEDURES

Confirmation sampling at the OSAR was conducted on 20 November 1997 and on 25 November 1997. Each sample location was marked in the field, prior to sample collection, with a surveyor's flag. Each flag was numbered with the sample identification. These flags were left in place in case additional soil needed to be removed based on the confirmation sampling data.

As recommended in the Final Technical Report (OHM 1997a), grab confirmation samples were collected approximately every 20 feet along the bottom and sidewalls of excavation Area 1 (Figure 3-1). Two bottom samples and one wall sample were collected from the 2-foot excavation area. A total of 21 confirmation samples, including two duplicate samples, were collected from the bottom and sidewalls of the portion of Area 1 that was excavated to a depth of 1 foot.

The sampling frequency specified in OHM's responses to comments (OHM 1997c) was followed for collecting confirmation soil samples from Areas 2 and 3. In Area 2, four confirmation samples and one duplicate sample were collected from the bottom of the 2-foot excavation area (Figure 3-2). These sample were collected midway between the center and each corner of the excavation. Although sampling the sidewalls was not recommended for this area based on analytical results from the second sampling event (May 1997), one sample was collected from the south wall and another sample was collected from the west wall at the request of the project manager. Three bottom and six sidewall samples were collected from the portion of Area 2 that was excavated to a depth of 1 foot (Figure 3-2). One duplicate sample was also collected at sample location -18.

Four confirmation soil samples were collected from the bottom of Area 3 (Figure 3-3). Each sample was collected at the midpoint between the center and the four corners of the excavation. Sampling the sidewalls was not recommended because surface soil samples had already been collected from these areas (former sample locations E7, EF3, E8, and DE3, Figure 1-3).

All samples were collected from the surface of the excavated area with a disposable plastic sampling scoop. At each sample location, approximately 1,000 grams of soil were collected and placed into a disposable plastic mixing bowl. The soil was then thoroughly homogenized and placed in laboratory-cleaned, 4-ounce, amber glass jars. Enough soil was transferred from the bowl to completely fill the jar. The jars were labeled, and placed in the sample cooler with ice for shipment to the off-site analytical laboratory. At each location a new sampling scoop and bowl were used.

3.2 DOCUMENTATION

Sampling documentation was completed in accordance with the relevant portions of the Site-Specific Quality Assurance Project Plan (OHM 1996c). The prefix "OSARC" was used for each sample identification. Confirmation samples were then numbered consecutively in the order of collection. For example, OSARC-7 was the seventh confirmation sample collected at the OSAR. Duplicate samples were numbered in the same manner to prevent the laboratory from being able to identify a particular sample as being a duplicate. Rinsate samples were given the prefix "OSAR-ER" followed by a consecutive number. Other information, such as the sample date and time, was recorded on the Chain-of-Custody forms.

3.3 SAMPLE ANALYSIS AND QUALITY CONTROL

The confirmation samples were sent to American Environmental Network (AEN) for total lead analysis using EPA Method 6010. A copy of the data validation report is provided in Appendix G.

Quality Control (QC) samples collected during the confirmation sampling event consisted of field duplicates and rinsate blanks. Sample technicians collected 4 field duplicates or 10 percent of the total. Duplicate samples were collected by alternately filling identical sample containers from the same batch of homogenized soil. Duplicate sampling results are included in Table 3-1. Even though disposable sampling equipment was being used, one rinsate blank was collected on each day of sample collection to document proper handling of the sampling equipment. The ammunition can area and the lead removal areas were sampled concurrently on 25 November 1997. The rinsate sample taken on this day was associated with the samples that were collected from empty ammunition can area. Lead was detected at a concentration of 4.3 ug/l in the sample (OSARC-ER1) collected on 20 November 1997. Lead was not detected in the 25 November 1997 sample (ACA-ER2).

All samples collected during the confirmation sampling event were extracted and analyzed within the holding times of the method, and the QC results support acceptability of the data. Total lead analytical results for the confirmation samples collected from the OSAR are summarized by sample location and sample date in Table 3-1. The four concentrations exceeding the 400 mg/kg action level are in bold type. Duplicate results are also included. The results between the field and duplicate samples compare favorably. The confirmation sample results were used to guide the re-excavation activities as described in Section 4.0.

3.4 POST-EXCAVATION SURVEY

Following the completion of the initial soil removal and confirmation sampling activities, OHM contracted Design Engineering to survey the topography of the removal areas. Design Engineering's drawing titled "Post Excavation Plan" is provided at the end of this section.

TABLE 3-1 CONFIRMATION ANALYTICAL RESULTS SUMMARY

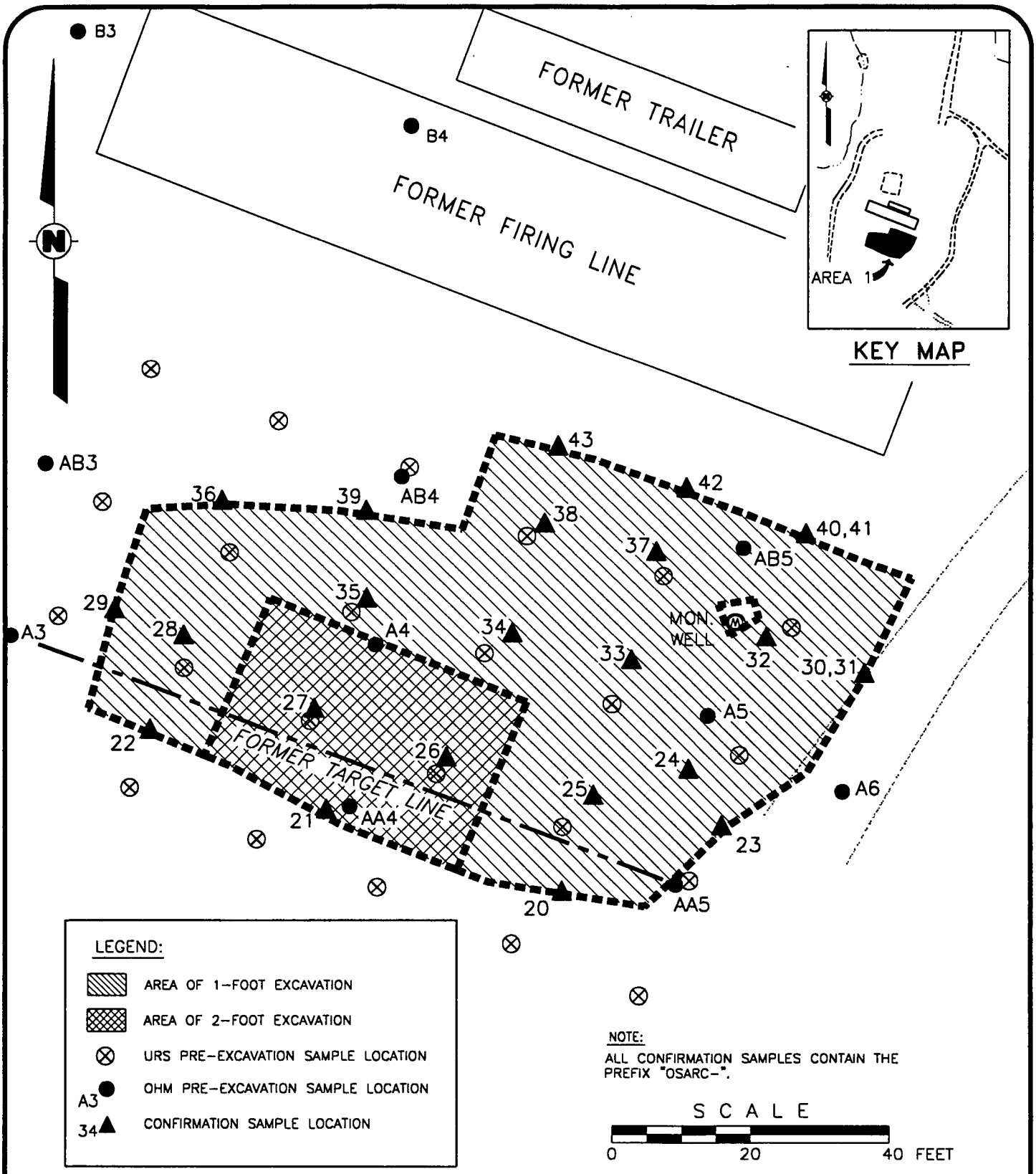
SAMPLE LOCATION	SAMPLE DATE	AREA	SAMPLE DEPTHS (ft)	TOTAL LEAD (mg/kg)	REMARKS
OSARC-1	11/20/97	Area 3	1	8.3	
OSARC-2	11/20/97	Area 3	1	4.8	
OSARC-3	11/20/97	Area 3	1	8.5	
OSARC-4	11/20/97	Area 3	1	7.0	
OSARC-5	11/20/97	Area 2	2	1.6	
OSARC-6	11/20/97	Area 2	2	1.4	
OSARC-7	11/20/97	Area 2	2	2.5	
OSARC-8	11/20/97	Area 2	2	71.2	
OSARC-9	11/20/97	Area 2	2	63.1	Duplicate of OSARC-8
OSARC-10	11/20/97	Area 2	0.5	332	Excavation wall sample
OSARC-11	11/20/97	Area 2	1	10.7	
OSARC-12	11/20/97	Area 2	1	5.1	
OSARC-13	11/20/97	Area 2	0.5	12.2	Excavation wall sample
OSARC-14	11/20/97	Area 2	0.5	6.5	Excavation wall sample
OSARC-15	11/20/97	Area 2	0.5	20.9	Excavation wall sample
OSARC-16	11/20/97	Area 2	0.5	193	Excavation wall sample
OSARC-17	11/20/97	Area 2	0.5	211	Excavation wall sample
OSARC-18	11/20/97	Area 2	1	18.5	
OSARC-19	11/20/97	Area 2	1	24.8	Duplicate of OSARC-18
OSARC-20	11/25/97	Area 1	0.5	48.5*	Excavation wall sample
OSARC-21	11/25/97	Area 1	1	19.0*	Excavation wall sample
OSARC-22	11/25/97	Area 1	0.5	71.1*	Excavation wall sample
OSARC-23	11/25/97	Area 1	0.5	**9540***	Excavation wall sample
OSARC-24	11/25/97	Area 1	1	**509***	
OSARC-25	11/25/97	Area 1	1	**4290***	
OSARC-26	11/25/97	Area 1	2	32.8*	
OSARC-27	11/25/97	Area 1	2	**2480***	
OSARC-28	11/25/97	Area 1	1	177*	
OSARC-29	11/25/97	Area 1	0.5	73.8*	Excavation wall sample
OSARC-30	11/25/97	Area 1	0.5	9.0*	Excavation wall sample
OSARC-31	11/25/97	Area 1	0.5	7.4*	Duplicate of OSARC-30
OSARC-32	11/25/97	Area 1	1	84.6*	
OSARC-33	11/25/97	Area 1	1	10.3*	
OSARC-34	11/25/97	Area 1	1	59.1*	
OSARC-35	11/25/97	Area 1	1	55.6*	
OSARC-36	11/25/97	Area 1	0.5	270*	Excavation wall sample

TABLE 3-1 CONFIRMATION ANALYTICAL RESULTS SUMMARY (Continued)

SAMPLE LOCATION	SAMPLE DATE	AREA	SAMPLE DEPTHS (ft)	TOTAL LEAD (mg/kg)	REMARKS
OSARC-37	11/25/97	Area 1	1	32.8*	
OSARC-38	11/25/97	Area 1	1	26.9*	
OSARC-39	11/25/97	Area 1	0.5	99.3*	Excavation wall sample
OSARC-40	11/25/97	Area 1	0.5	5.6	Excavation wall sample
OSARC-41	11/25/97	Area 1	0.5	6.2	Duplicate of OSARC-40
OSARC-42	11/25/97	Area 1	0.5	4.8	Excavation wall sample
OSARC-43	11/25/97	Area 1	0.5	8.2	Excavation wall sample
OSARC-44	11/25/97	Area 2	1	58.1	Excavation wall sample
OSARC-45	11/25/97	Area 2	1	207	Excavation wall sample

Notes:

1. Confirmation samples were collected from the bottom of the excavation areas unless otherwise noted.
2. Concentrations which exceed the 400 mg/kg action level for lead are bolded.
3. * = Duplicate analysis was not within control limits. The data is considered usable and valid but the values are estimates (see Appendix G).



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OHM Remediation Services Corp.

OHM Project No. 17257

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Date:	Scale:	Drawing No.
3/4/98	AS SHOWN	17257-A60

FIGURE 3-1

AREA 1 - CONFIRMATION SAMPLE LOCATIONS

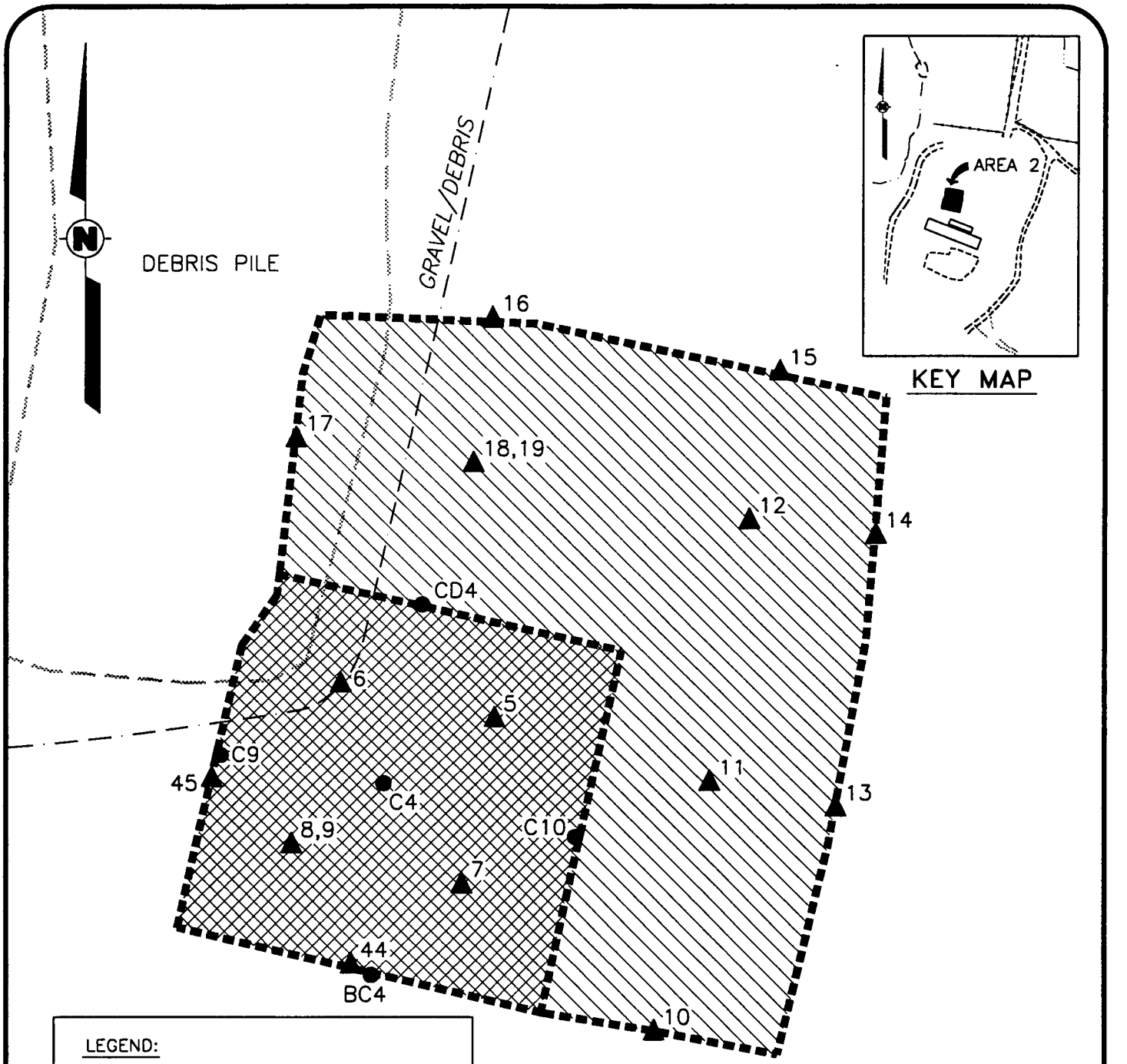
OLD SMALL ARMS RANGE

PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE

BROOKS AIR FORCE BASE, TEXAS



CAD File: 17257-A61

Plot Scale = 10

revision 0

OHM Remediation Services Corp.

OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
B.O'Connor	T. Quirk	G. Guimond
Date:	Scale:	Drawing No.
3/4/98	AS SHOWN	17257-A61

FIGURE 3-2

AREA 2 - CONFIRMATION SAMPLE LOCATIONS

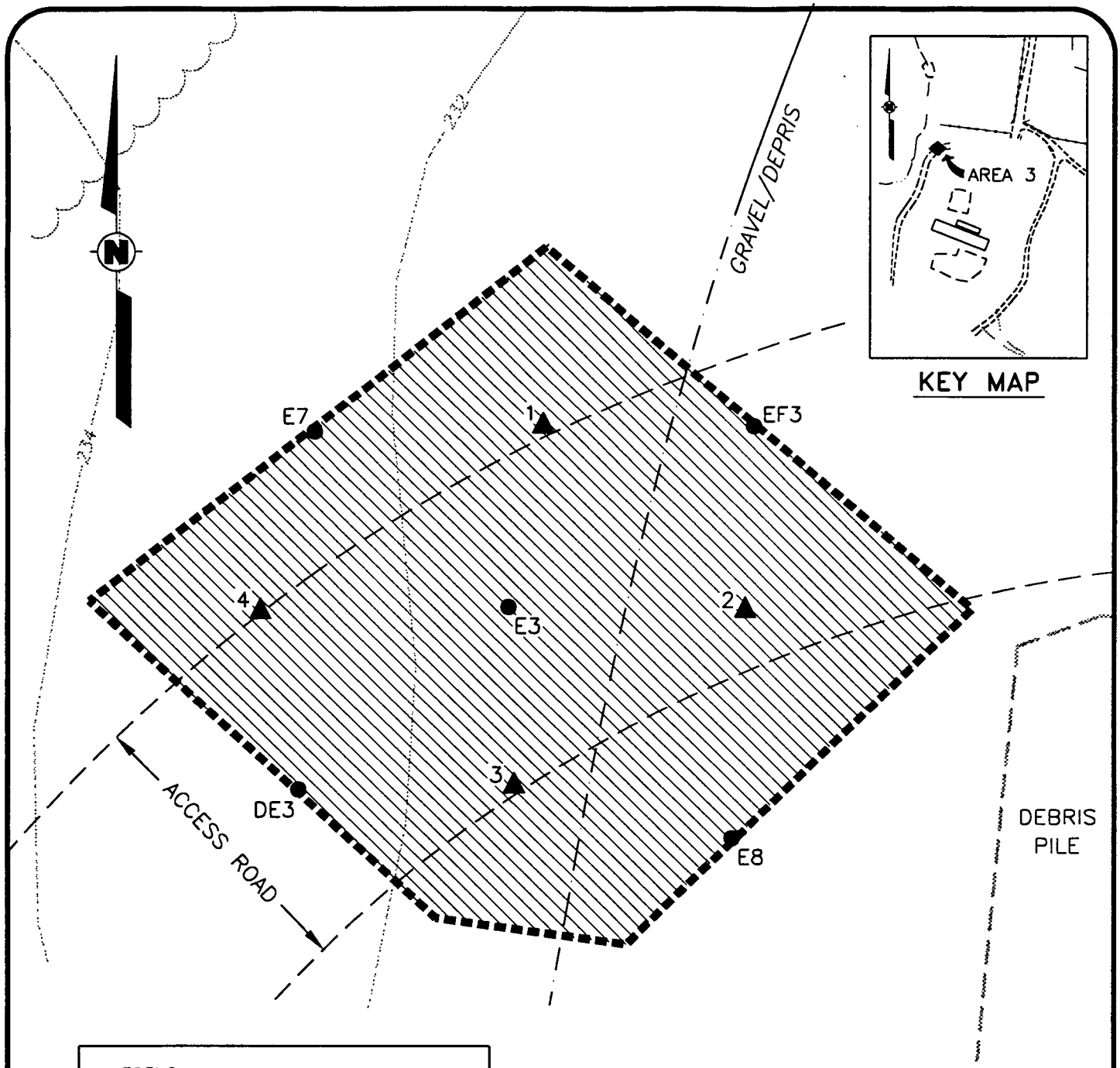
OLD SMALL ARMS RANGE

PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE

BROOKS AIR FORCE BASE, TEXAS



CAD File: 17257-A62

Plot Scale: 1 = 6

OHM Remediation Services Corp.

OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
B. O'Connor	T. Quirk	G. Guimond
Date:	Scale:	Drawing No.
3/2/98	AS SHOWN	17257-A62

FIGURE 3-3

AREA 3 - CONFIRMATION SAMPLE LOCATIONS

OLD SMALL ARMS RANGE

PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE

BROOKS AIR FORCE BASE, TEXAS

GRID

STATE PLANE COORDINATES		
POINT #	N	E
5001	1701936.744	720929.344
5100	1702194.716	720997.792
5200	1702606.927	721075.388

LEGEND:

- B1 — Soil sampling locations (Typ.)
- Survey control station
- Tree Line
- 260 — Existing ground contour
- Chain link fence

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)

1 inch = 30 ft.

Base map provided by Plattsburgh AFB

DATE(S) SURVEY FIELD DATA WAS COLLECTED: April 11, 1997

DATE THIS MAP WAS ORIGINALLY COMPLETED: Jan. 15, 1998

REVISIONS

OLD SMALL ARMS RANGE

PLATTSBURGH AIR FORCE BASE

POST EXCAVATION PLAN

PREPARED FOR

OHM REMEDIATION SERVICES CORP.

Design Engineering & Land Surveying, P.C.
10 CITY HALL PLACE SUITE 201
PLATTSBURGH, N.Y.
(518) 561-1598
FAX (518) 561-1990
ENGINEERING, PLANNING, SURVEYING

DRAWN BY: E. Reil

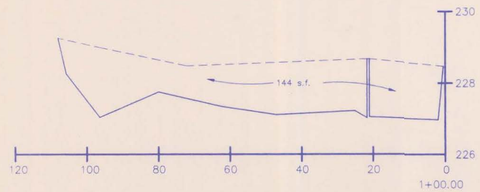
1" = 30 FT.

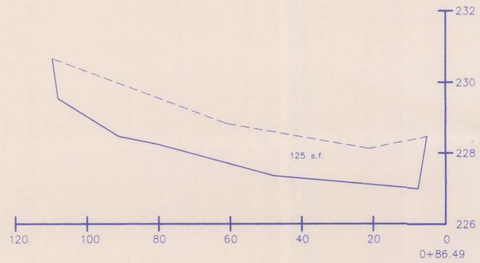
SCOTT B. ALLEN, L.L.S.
LICENSE NO. 49596

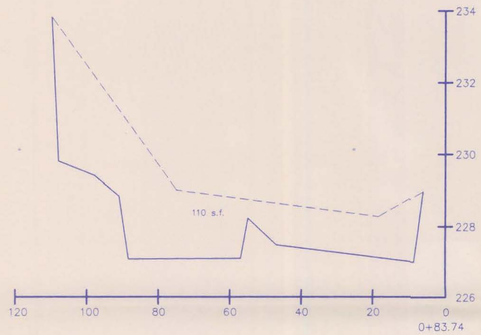
STATE OF NEW YORK SCOTT B. ALLEN 049551 LICENSED LAND SURVEYOR

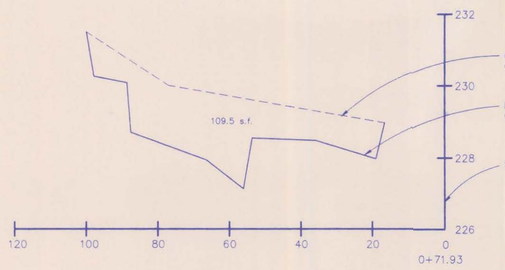
SCALE

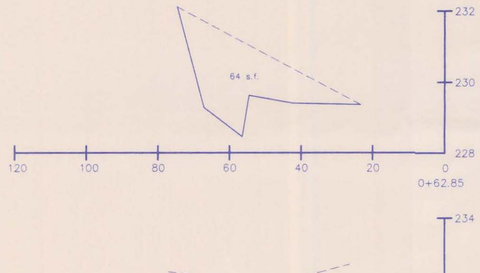
HORIZONTAL 1" = 20'
VERTICAL 1" = 2'

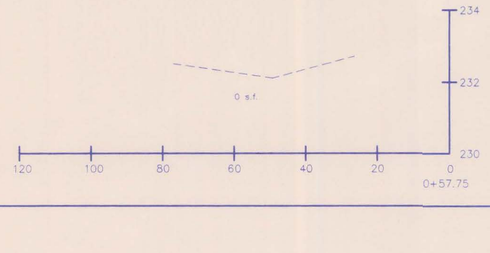


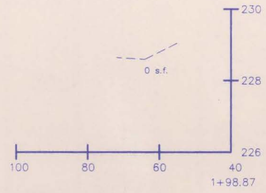


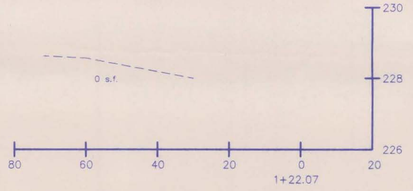


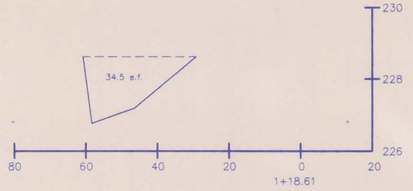


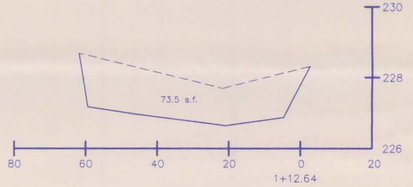


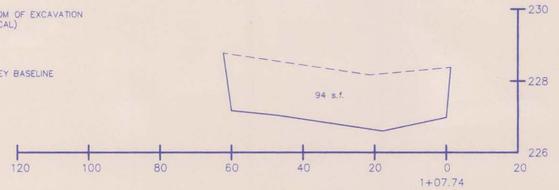


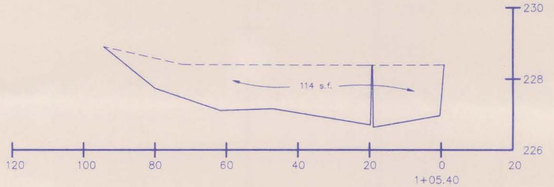


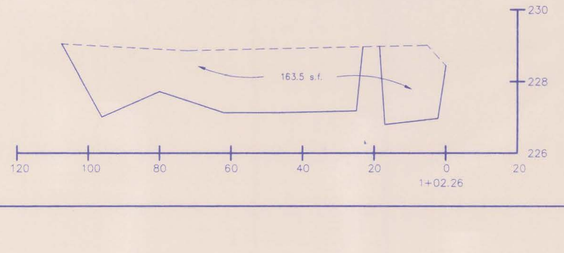


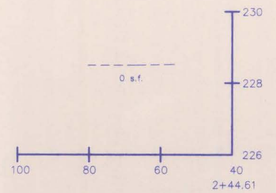


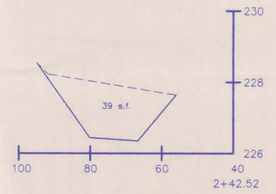


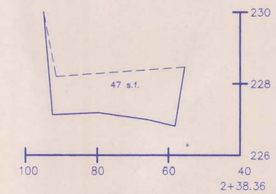


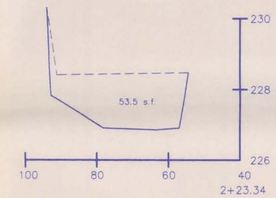


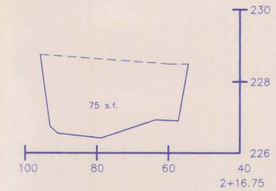


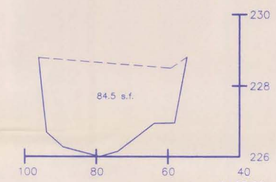


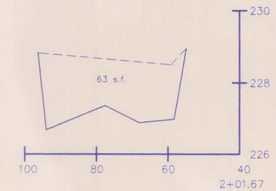


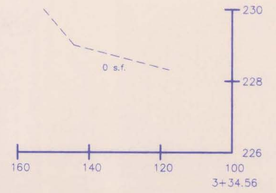


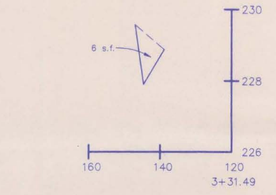


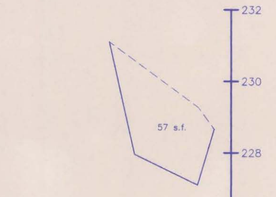


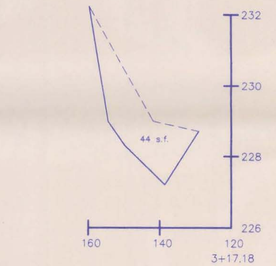


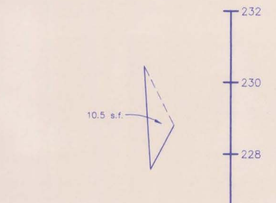


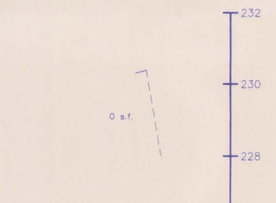


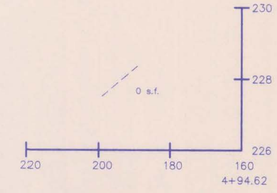


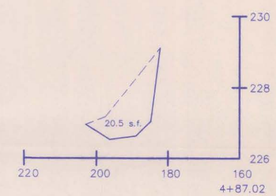


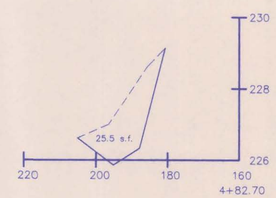


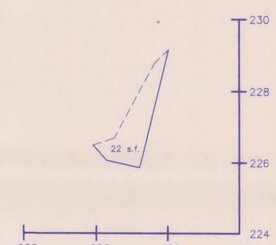


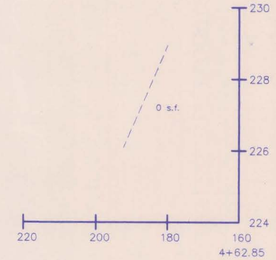












SCALE: HORIZONTAL 1" = 20' VERTICAL 1" = 2'

STATE OF NEW YORK
SCOTT B. ALLEN
049-561
LICENSED LAND SURVEYOR

SCOTT B. ALLEN, L.L.S.
LICENSE NO. 49596

OLD SMALL ARMS RANGE

PLATTSBURGH AIR FORCE BASE

CROSS SECTIONS

PREPARED FOR
OHM REMEDIATION SERVICES CORP.

DRAWN BY: E. Reil DATE FIRST EDITION OF THIS DRAWING ISSUED: January 15, 1998

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PLATTSBURGH, N.Y.
(518) 561-1598
FAX (518) 561-1990
ENGINEERING, PLANNING, SURVEYING

4.0 RE-EXCAVATION ACTIVITIES

4.1 STRATEGY AND PROCEDURES

Results for the initial confirmation samples collected from the OSAR indicated that additional excavation was needed within Area 1. Sample locations OSARC-23, -24, and -25, collected within the portion of Area 1 that was excavated to a depth of 1 foot, contained lead at concentrations in excess of the 400 mg/kg action level. OSARC-23 was collected from the sidewall, near the southeast corner of the excavation. Samples OSARC-24 and -25 were also collected near the southeast corner from the bottom of the excavation. The lead concentration at sample location OSARC-27, collected from the bottom of the excavation within the portion of Area 1 that was excavated to a depth of 2 feet, also exceeded the action level.

The Final Technical Report (OHM 1997a) recommended that at each re-excavation area, a minimum of 6 inches of soil be removed from half the distance between known "clean" and lead-contaminated sample points. The OHM engineer directed the field personnel to re-excavate the contaminated areas based on this protocol. As directed, the southeast portion of Area 1 around former sample locations OSARC-23, -24 and -25 was excavated to a depth of 1.5 feet, and soil was removed to a depth of 2.5 feet around former sample location OSARC-27. Removal of the southeast sidewall resulted in the creation of a new wall approximately 7 feet southeast of former sample location OSARC-23. The re-excavation activities were conducted on 04 December 1997.

4.2 CONFIRMATION SAMPLING

After completing the additional excavation, confirmation samples were collected to ensure that the cleanup level had been attained. In accordance with the Final Technical Report recommendations, two sample points were evenly spaced within each of the four hotspot removal areas. The locations of the eight confirmation samples that were collected during this second sampling event are shown on Figure 4-1.

The samples were labeled using the same procedure that was used during the initial confirmation sampling event. The last sample number that was used during the initial confirmation sampling event was OSARC-45. Therefore, the confirmation samples collected during this second sampling event were labeled consecutively beginning with the number OSARC-46.

These confirmation samples were also sent to AEN for total lead analysis by EPA Method 6010. The data validation report is included in Appendix G. One rinsate blank and one duplicate sample were collected for QC purposes. All confirmation samples were extracted and analyzed within the method holding times, and the QC results support acceptability of the data. Total lead analytical results for the confirmation samples are summarized by sample location and sample date in Table 4-1. Samples collected from two locations contained lead at a concentration above the 400 mg/kg action level and are reported in bold type in the table. Additional excavation conducted at these locations is discussed in Section 4.3. Duplicate results are also included in

Table 4-1. The results between the field and duplicate sample suggest that lead was not distributed homogeneously in the soil.

4.3 ADDITIONAL SOIL REMOVAL

Based on results from the second confirmation sampling event, additional soil was removed from around sample points OSARC-49 and OSARC-51. Again, a minimum of six inches of soil was removed from half the distance between known "clean" and lead contaminated sample locations. The removal of additional soil around -49 and -51 was conducted on 12 December 1997. The soil around OSARC-49 was removed to a total depth of 2 feet. The portion of the southeast wall around former sample location -51 was expanded laterally approximately 10 feet to the southeast to a depth of 1.5 feet.

Following the removal of additional soil, two confirmation samples were collected from each excavated area (Figure 4-2). The four samples were sent to AEN for total lead analysis. The analytical results for these samples are included in Table 4-2. Lead was not detected in any of these samples at concentrations above the action level. This completed the lead contaminated soil removal activities at the OSAR.

The additional removal areas within Area 1 were measured by field personnel but were not surveyed. Per AFCEE direction, no site restoration has been performed at the OSAR since the completion of the removal activities.

TABLE 4-1 CONFIRMATION ANALYTICAL RESULTS SUMMARY SECOND ROUND

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTHS (ft)	TOTAL LEAD (mg/kg)	REMARKS
OSARC-46	12/4/97	1.5	36.8	Re-sample after removal of OSARC-25
OSARC-47	12/4/97	1.5	118	Duplicate of OSARC-46
OSARC-48	12/4/97	1.5	296	Re-sample after removal of OSARC-24
OSARC-49	12/4/97	1.5	**2980**	Re-sample after removal of OSARC-25
OSARC-50	12/4/97	1.5	81.6	Re-sample after removal of OSARC-24
OSARC-51*	12/4/97	1	**486**	Re-sample after removal of OSARC-23
OSARC-52*	12/4/97	1	23.1	Re-sample after removal of OSARC-23
OSARC-53	12/4/97	2.5	203	Re-sample after removal of OSARC-27
OSARC-54	12/4/97	2.5	346	Re-sample after removal of OSARC-27

Notes:

1. * - Indicates the sample was collected from the sidewall of the excavation. All other samples were collected from the bottom of the excavation areas.
2. Concentrations which exceed the 400 mg/kg action level for lead are bolded.

TABLE 4-2 CONFIRMATION ANALYTICAL RESULTS SUMMARY THIRD ROUND

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTHS (ft)	TOTAL LEAD (mg/kg)	REMARKS
OSARC-55	12/12/97	2	7.6 N	Re-sample after removal of OSARC-49
OSARC-56	12/12/97	2	141 N	Re-sample after removal of OSARC-49
OSARC-57*	12/12/97	1	2.4 N	Re-sample after removal of OSARC-51
OSARC-58*	12/12/97	1	3.0 N	Re-sample after removal of OSARC-51

Notes:

1. * - Indicates the sample was collected from the sidewall of the excavation. All other samples were collected from the bottom of the excavation areas.
2. N = Spiked sample recovery was not within control limits.

CAD File: 17257-A64

Plot Scale: 1 = 20

OHM Remediation Services Corp.

OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
B. O'Connor	T. Quirk	G. Guimond
Date:	**Scale:**	**Drawing No.**
2/5/98	AS SHOWN	17257-A64

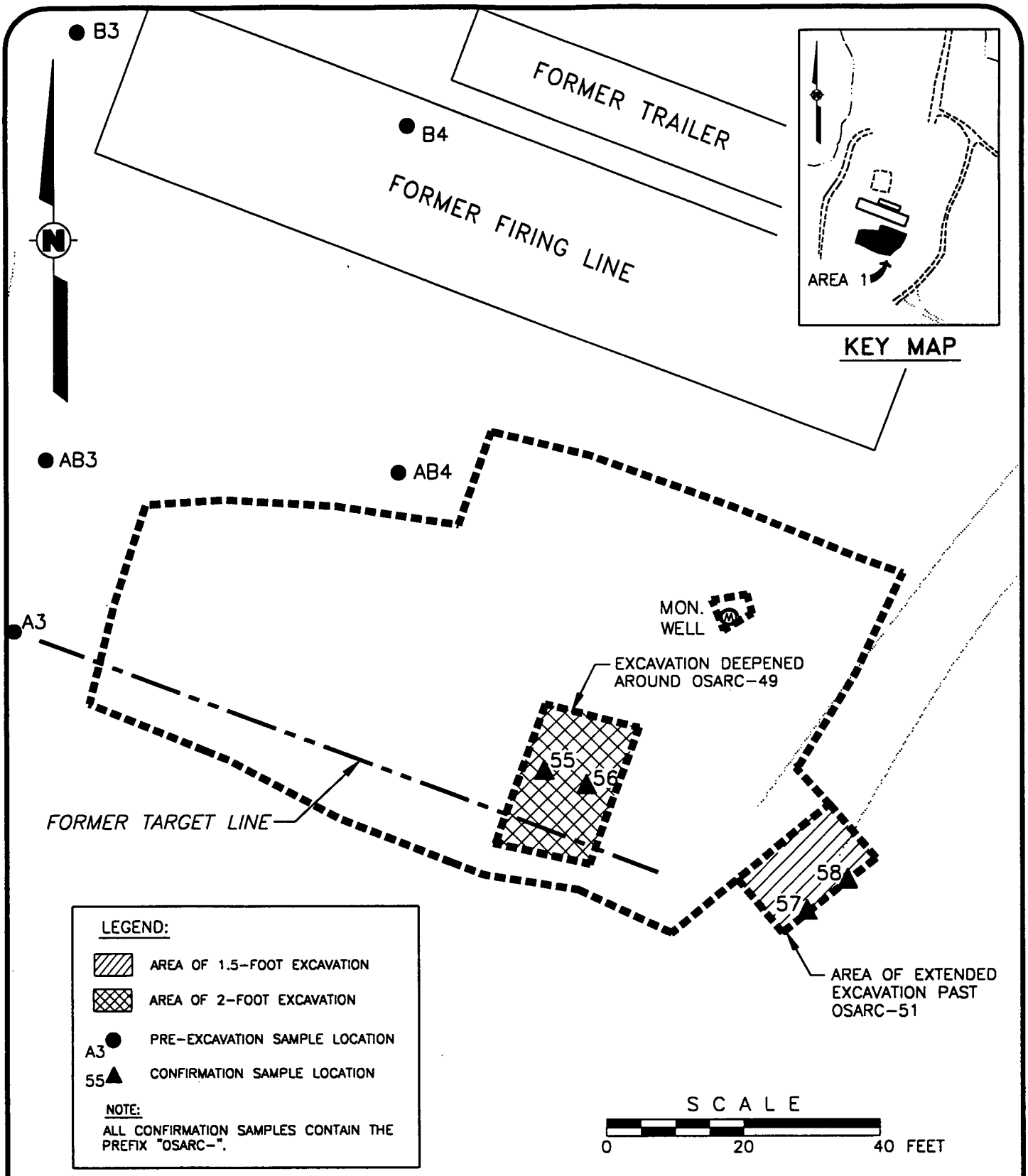
FIGURE 4-1

AREA 1 – CONFIRMATION SAMPLE LOCATIONS
SECOND ROUND

OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS



CAD File: 17257-A65

Plot Scale: 1" = 20'

OHM Remediation Services Corp.

OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
B. O'Connor	T. Quirk	G. Guimond
Date:	Scale:	Drawing No.
2/5/98	AS SHOWN	17257-A65

FIGURE 4-2

AREA 1 – CONFIRMATION SAMPLE LOCATIONS
THIRD ROUND
OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

5.0 TRANSPORTATION AND DISPOSAL

The excavated lead-contaminated soil and empty waste ammo cans were transported by Buffalo Fuel Corp. of Niagara Falls, New York (a licensed hazardous waste transporter) to Chemical Waste Management's disposal facility located in Model City, New York. According to the disposal certificates, a total of 647.24 tons of lead-contaminated soil was taken from the OSAR to the Model City facility between 19 November and 12 December 1997. A summary of the disposal documentation is provided in Table 5-1. Copies of the Waste Manifests and Certificates of Disposal are provided in Appendix H.

The cardboard bales and miscellaneous wooden debris from the OSAR were loaded into a roll-off. On 02 December 1997, the roll-off containing the non-hazardous debris was taken by Northern Sanitation to the Shingle Street Landfill in Morrisonville, New York for disposal as general construction debris.

TABLE 5-1 TRANSPORTATION AND DISPOSAL DOCUMENTATION SUMMARY

Date	Manifest Document No.	Manifest Number	Tons Loaded	Cumulative Number of Tons
11/19/97	00001	NYB8411166	28.45	28.45
11/19/97	00002	NYB8411157	22.02	50.47
11/19/97	00003	NYB8411148	11.81	62.28
11/19/97	00004	NYB8411139	17.28	79.56
11/20/97	00005	NYB8411112	26.68	106.24
11/20/97	00006	NYB8411103	32.04	138.28
11/20/97	00007	NYB8411094	27.00	165.28
11/20/97	00008	NYB8411085	35.97	201.25
11/20/97	00009	NYB8411076	33.59	234.84
11/21/97	00010	NYB8411067	30.55	265.39
11/21/97	00011	NYB8411058	28.81	294.2
11/21/97	00012	NYB8411049	30.03	324.23
11/21/97	00013	NYB8411031	31.91	356.14
11/21/97	00014	NYB8411013	24.04	380.18
11/24/97	00015	NYB8411004	32.21	412.39
11/24/97	00016	NYB8411391	36.73	449.12
11/24/97	00017	NYB8411382	26.23	475.35
11/24/97	00018	NYB8411373	26.51	501.86
11/25/97	00019	NYB8411364	31.17	533.03
11/25/97	00020	NYB8411355	32.67	565.7
11/25/97	00021	NYB8411346	24.69	590.39
12/04/97	00022	NYB8411211	25.75	616.14
12/04/97	00023	NYG0402291	7.07	623.21
12/12/97	00024	NYG0402309	24.03	647.24

Note:

The number of tons listed in this table are based upon the weights measured at the Homer Moving and Storage Facility located just outside the North Gate of the Base.

6.0 REFERENCES

OHM Remediation Services Corp., 1996a. Final Environmental Cleanup Plan for Remedial Actions at Old and New Small Arms Ranges, Plattsburgh Air Force Base, Revision 01, 01 February 1996.

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APPENDIX A
FORMER AMMO CAN PILE SAMPLING & ANALYSIS REPORT

Sampling & Analysis
Plattsburgh AFB
Project #17257

December 17, 1997

Old Small Arms Range (Former Ammo Can Pile)

Sample Collection:

On 11/25/97, OHM removed a pile of empty ammunition cans from the wooded area adjacent to the Old Small Arms Range (OSAR). The removal area was then sampled for TAL metals analysis, as requested by the EPA. A total of five soil samples (ACA-1, -2, -3, -4 and -5) and a duplicate sample (ACA-6) were collected from the area.

Sample Analysis:

The samples were shipped to American Environmental Network (AEN) for TAL metals analyses. There were three compounds, beryllium, iron and zinc, detected in all of the samples above the NYSDEC TAGM Recommended Soil Cleanup Objectives. Two of the samples (ACA-1 and ACA-3) had copper concentrations above the action level. Sample ACA-3 also had antimony and lead concentrations above the action levels.

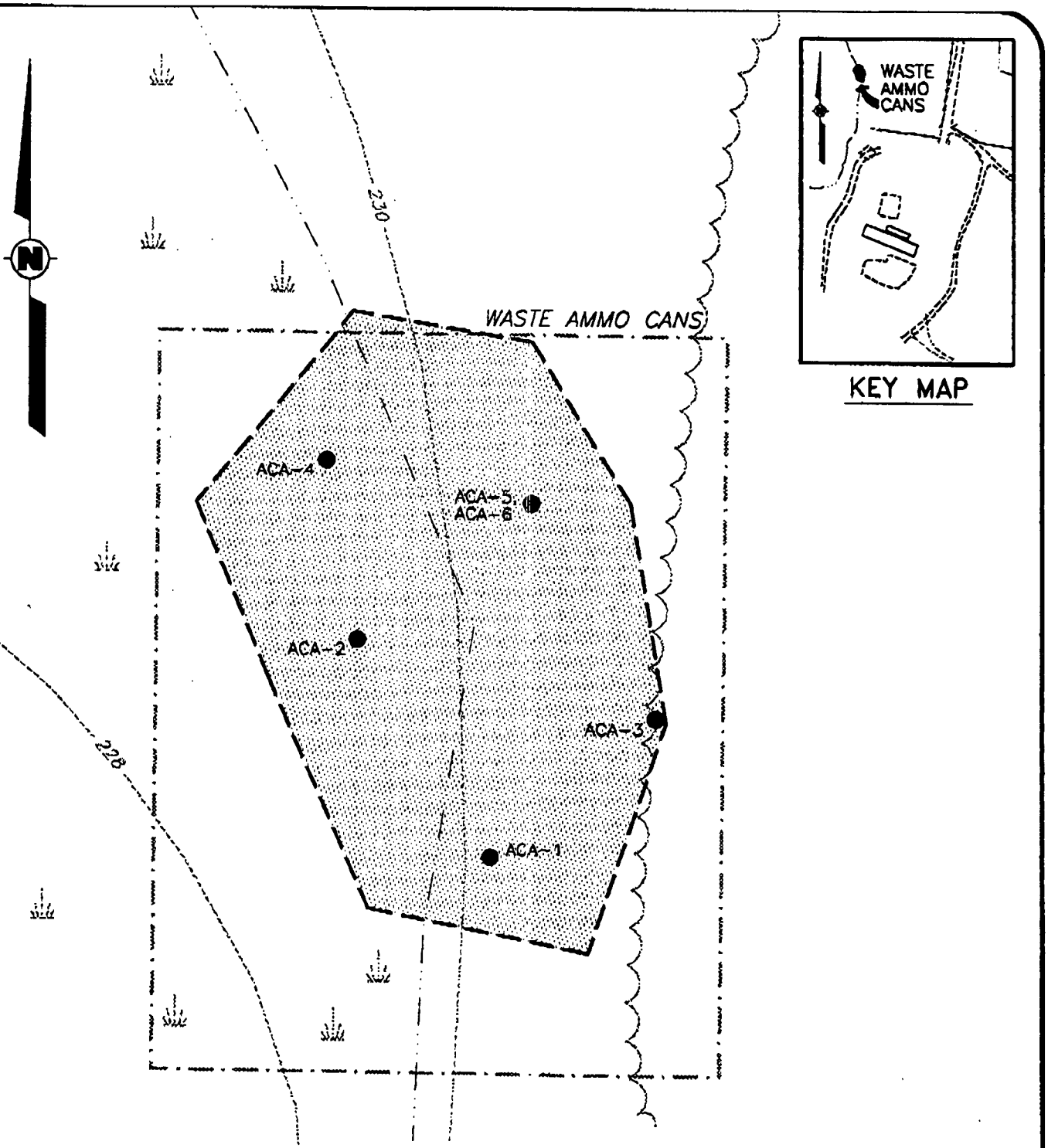
As stated above, the collection of samples from the ammunition can removal area was requested by the EPA and was not part of the original scope of work. Any additional excavation from this area will be determined by AFCEE after discussions with the EPA and would be considered outside of OHM's current scope of work.

Ammunition Can Area
Old Small Arms Range
Plattsburgh AFB D.O. 003

Compound	Action Level (ppm)	Sample ID ACA-1	ACA-2	ACA-3	ACA-4	ACA-5	ACA-6
Aluminum	8510	2740	1650	3690	2490	1510	1340
Antimony	12.6	ND	ND	**20.8**	ND	ND	ND
Arsenic	7.5	1.7B	ND	3.4	ND	ND	ND
Barium	300	14.2B	11.1B	18.4B	11.3B	7.2B	7.1B
Beryllium	0.16	**0.37**	**0.34B**	**0.42B**	**0.36B**	**0.26B**	**0.22B**
Cadmium	10	ND	ND	ND	ND	ND	ND
Calcium	30200	1350	366B	807B	524B	414B	330B
Chromium	50	5.3	2.4	5.7	3	1.9B	1.8B
Cobalt	30	2.7B	1.3B	2.3B	1.4B	1.3B	0.91B
Copper	25	**47.6N**	4.3BN	**34.4N**	2.9BN	6.0N	3.0BN
Iron	2000	**6830**	**3830**	**10000**	**4810**	**3440**	**2610**
Lead	400	61.4	2.7	**2420**	4.1	1.9	2
Magnesium	3340	1400	744B	1280	1070	713B	602B
Manganese	474	249N	121N	294N	75.3N	76.4N	32.4N
Mercury	0.1	ND	ND	ND	ND	ND	ND
Nickel	13	5.8B	3.0B	5.0B	2.6B	2.6B	2.0B
Potassium	929	287BE	139BE	392BE	191BE	191BE	105BE
Selenium	2	1.1	ND	ND	ND	ND	ND
Silver	ND	ND	ND	ND	ND	ND	ND
Sodium	520	40.8B	33.3B	77.2B	55.8B	46.9B	33.0B
Thallium	ND	ND	ND	ND	ND	ND	ND
Vanadium	150	6.2B	3.8B	7.9B	4.7B	3.2B	2.3B
Zinc	20	**174NE**	**23.5NE**	**139NE**	**24.7NE**	**40.0NE**	**27.9NE**

Qualifiers:
ND - Compound was not detected
B - Compound was detected between the instrument detection limit IDL and the contract required detection limit (CRDL), the value is an estimate
E - Reported value is estimated because of the presence of interference
N - Spiked sample recovery was not within control limits

CAD File: 17257-A63



Plot Scale: 1 = 8

OHM Remediation Services Corp.
OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
B. O'Connor	T. Quirk	
Date:	Scale:	Drawing No.
1/21/98	AS SHOWN	17257-A63

FIGURE 1
POST-REMOVAL SAMPLE LOCATIONS
OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR
AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

TABLE AS-1.0
7097-2840A
OHM REMEDIATION SERVICES CORP.
TAL METALS

Aqueous

All values are ug/L.

Client Sample I.D.	ACAER2			
Lab Sample I.D.	972840A-07			
Aluminum	13.0U			
Antimony	8.0U			
Arsenic	3.0U			
Barium	1.0U			
Beryllium	1.0U			
Cadmium	1.0U			
Calcium	13.8B			
Chromium	1.0U			
Cobalt	2.0U			
Copper	1.0U			
Iron	20.0U			
Lead	2.0U			
Magnesium	8.0U			
Manganese	4.0U			
Mercury	0.20U			
Nickel	2.0U			
Potassium	28.3B			
Selenium	4.0U			
Silver	1.0U			
Sodium	195.B			
Thallium	5.0U			
Vanadium	1.0U			
Zinc	10.0B			

See Appendix for qualifier definitions

TABLE AS-1.1
7097-2840A
OHM REMEDIATION SERVICES CORP.
TAL METALS

Soil

All values are mg/Kg dry weight basis.

Client Sample I.D.	ACA-1	ACA-1 D	ACA-1 S	ACA-2
Lab Sample I.D.	972840A-01	972840A-01D	972840A-01S	972840A-02
Aluminum	2740	2610	2790	1650
Antimony	1.7U	1.7U	87.8	1.7U
Arsenic	1.7B	1.2B	9.4	0.63U
Barium	14.2B	13.5B	390.	11.1B
Beryllium	0.37B	0.33B	10.4	0.34B
Cadmium	0.21U	0.21U	1.1	0.21U
Calcium	1350	1280	NR	366.B
Chromium	5.3	5.0	41.0	2.4
Cobalt	2.7B	2.6B	97.9	1.3B
Copper	47.6N	45.6	84.8N	4.3BN
Iron	6830	6500	5800	3830
Lead	61.4	58.5	47.3	2.7
Magnesium	1400	1330	NR	744.B
Manganese	249.N	237.	309.N	121.N
Mercury	0.11UN	0.15	0.80N	0.10UN
Nickel	5.8B	5.4B	99.9	3.0B
Potassium	287.BE	272.B	NR	139.BE
Selenium	1.1	0.86U	2.9	0.84U
Silver	0.21U	0.21U	5.6	0.21U
Sodium	40.8B	37.5B	NR	33.3B
Thallium	1.1U	1.1U	10.1	1.0U
Vanadium	6.2B	5.9B	99.6	3.8B
Zinc	174.NE	166.	239.N	23.5NE

See Appendix for qualifier definitions

TABLE AS-1.2
7097-2840A
OHM REMEDIATION SERVICES CORP.
TAL METALS

Soil

All values are mg/Kg dry weight basis.

Client Sample I.D. / Lab Sample I.D.	ACA-3 972840A-03	ACA-4 972840A-04	ACA-5 972840A-05	ACA-6 972840A-06
Aluminum	3690	2490	1510	1340
Antimony	20.8	1.6U	1.7U	1.7U
Arsenic	3.4	0.62U	0.62U	0.62U
Barium	18.4B	11.3B	7.2B	7.1B
Beryllium	0.42B	0.36B	0.26B	0.22B
Cadmium	0.22U	0.21U	0.21U	0.21U
Calcium	807.B	524.B	414.B	330.B
Chromium	5.7	3.0	1.9B	1.8B
Cobalt	2.3B	1.4B	1.3B	0.91B
Copper	34.4N	2.9BN	6.0N	3.0BN
Iron	10000	4810	3440	2610
Lead	2420	4.1	1.9	2.0
Magnesium	1280	1070	713.B	602.B
Manganese	294.N	75.3N	76.4N	32.4N
Mercury	0.11UN	0.10UN	0.10UN	0.10UN
Nickel	5.0B	3.4B	2.6B	2.0B
Potassium	392.BE	348.BE	191.BE	105.BE
Selenium	0.89U	1.1	0.83U	0.83U
Silver	0.22U	0.21U	0.21U	0.21U
Sodium	77.2B	55.8B	46.9B	33.0B
Thallium	1.1U	1.0U	1.0U	1.0U
Vanadium	7.9B	4.7B	3.2B	2.3B
Zinc	139.NE	24.7NE	40.0NE	27.9NE

See Appendix for qualifier definitions

INORGANICS APPENDIX

C - Concentration qualifiers

U - Indicates analyte result less than instrument detection limit (IDL)

B - Indicates analyte result between IDL and contract required detection limit (CRDL)

Q - QC qualifiers

E - Reported value is estimated because of the presence of interference

M - Duplicate injection precision not met

N - Spiked sample recovery not within control limits

S - The reported value was determined by the method of standard additions (MSA)

W - Post-digest spike recovery furnace analysis was out of 85-115 percent control limit, while sample absorbance was less than 50 percent of spike absorbance

* - Duplicate analysis not within control limit

+ - Correlation coefficient for MSA is less than 0.995

M - Method codes

P - ICP

A - Flame AA

F - Furnace AA

CV - Cold vapor AA (manual)

C - Cyanide

NR - Not Required

NC - Not Calculated as per protocols

APPENDIX B
URS SAMPLE DATA SUMMARY

URS SITE INVESTIGATION REPORT
OLD SMALL ARMS RANGE
LEAD SAMPLING RESULTS

Sample ID		SS-33-01-0	SS-33-01-1	SS-33-02-0	SS-33-02-1
Beginning Depth (ft.)		0	1	0	1
Ending Depth (ft.)		0.3	1.5	0.3	1.5
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	**704**	31	23.2	16.9

Sample ID		SS-33-03-0	SS-33-03-1	SS-33-04-0	SS-33-04-1
Beginning Depth (ft.)		0	1	0	1
Ending Depth (ft.)		0.3	1.5	0.3	1.5
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	**684**	233	343	79.7

Sample ID		SS-33-04-1DUP	SS-33-05-0	SS-33-05-0DUP	SS-33-05-1
Beginning Depth (ft.)		1	0	1	1
Ending Depth (ft.)		1.5	0.3	1.5	1.5
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	90.7	16.5	29.9	4.3

Sample ID		SS-33-06-0	SS-33-06-1	SS-33-07-0	SS-33-07-1
Beginning Depth (ft.)		0	1	0	1
Ending Depth (ft.)		0.3	1.5	0.3	1.5
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	213	1.3	**696**	89.7

Bold values indicates concentrations which exceed the Action Level.

URS SITE INVESTIGATION REPORT
OLD SMALL ARMS RANGE
LEAD SAMPLING RESULTS

Sample ID		SS-33-08-0	SS-33-08-1	SS-33-08-2	SS-33-09-0
Beginning Depth (ft.)		0	1	2	0
Ending Depth (ft.)		0.3	1.5	2.5	0.3
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	**1640**	127	12.4	**404**

Sample ID		SS-33-09-1	SS-33-09-1DUP	SS-33-10-0	SS-33-10-1
Beginning Depth (ft.)		1	1	0	1
Ending Depth (ft.)		1.5	1.5	0.3	1.5
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	212	238	272	76.2

Sample ID		SS-33-11-0	SS-33-11-1	SS-33-11-2	SS-33-12-0
Beginning Depth (ft.)		0	1	2	1
Ending Depth (ft.)		0.3	1.5	2.5	1.5
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	**567**	58.5	6.7	338

Sample ID		SS-33-12-1	SS-33-13-0	SS-33-13-1	SS-33-14-0
Beginning Depth (ft.)		1	0	1	0
Ending Depth (ft.)		1.5	0.3	1.5	0.3
Date Sampled		10/15/94	10/15/94	10/15/94	10/15/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	15.0	274	48.7	140

Bold values indicates concentrations which exceed the Action Level.

URS SITE INVESTIGATION REPORT
OLD SMALL ARMS RANGE
LEAD SAMPLING RESULTS

Sample ID		SS-33-14-1	SS-33-15-0	SS-33-15-1	SS-33-16-0
Beginning Depth (ft.)		1	0	1	0
Ending Depth (ft.)		1.5	0.3	1.5	0.3
Date Sampled		10/15/94	10/15/94	10/15/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	156	**684**	**3140**	**513**

Sample ID		SS-33-16-1	SS-33-17-0	SS-33-17-0DUP	SS-33-17-1
Beginning Depth (ft.)		1	0	0	1
Ending Depth (ft.)		1.5	0.3	0.3	1.5
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	**3710**	94	91.7	31.0

Sample ID		SS-33-18-0	SS-33-18-1	SS-33-19-0	SS-33-19-1
Beginning Depth (ft.)		0	1	0	1
Ending Depth (ft.)		0.3	1.5	0.3	1.5
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	116	27.1	142	14.2

Sample ID		SS-33-19-1DUP	SS-33-20-0	SS-33-20-1	SS-33-20-2
Beginning Depth (ft.)		1	0	1	2
Ending Depth (ft.)		1.5	0.3	1.5	2.5
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	15.0	120	17.0	43.8

Bold values indicates concentrations which exceed the Action Level.

URS SITE INVESTIGATION REPORT
OLD SMALL ARMS RANGE
LEAD SAMPLING RESULTS

Sample ID		SS-33-21-0	SS-33-21-1	SS-33-22-0	SS-33-22-1
Beginning Depth (ft.)		0	1	0	1
Ending Depth (ft.)		0.3	1.5	0.3	1.5
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	105	8.6	94	7.1

Sample ID		SS-33-23-0	SS-33-23-1	SS-33-23-2	SS-33-24-0
Beginning Depth (ft.)		0	1	2	0
Ending Depth (ft.)		0.3	1.5	2.5	0.3
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	101	4.3	4.9	115

Sample ID		SS-33-24-1	SS-33-25-0	SS-33-25-1	SS-33-26-0
Beginning Depth (ft.)		1	0	1	0
Ending Depth (ft.)		1.5	0.3	1.5	0.3
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	2.1	125	73.5	115

Sample ID		SS-33-26-1	SS-33-27-0	SS-33-27-1	SS-33-28-0
Beginning Depth (ft.)		1	0	1	0
Ending Depth (ft.)		1.5	0.3	1.5	0.3
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	6.8	111	14.3	72.0

Bold values indicates concentrations which exceed the Action Level.

URS SITE INVESTIGATION REPORT
OLD SMALL ARMS RANGE
LEAD SAMPLING RESULTS

Sample ID		SS-33-28-1	SS-33-29-0	SS-33-29-1	SS-33-30-0
Beginning Depth (ft.)		1	0	1	0
Ending Depth (ft.)		1.5	0.3	1.5	0.3
Date Sampled		10/16/94	10/16/94	10/16/94	10/16/94
Units		mg/kg	mg/kg	mg/kg	mg/kg
Parameter	Action Level				
Lead	400	4.2	64.4	8.6	109

Sample ID		SS-33-30-1			
Beginning Depth (ft.)		1			
Ending Depth (ft.)		1.5			
Date Sampled		10/16/94			
Units		mg/kg			
Parameter	Action Level				
Lead	400	10.6			

Bold values indicates concentrations which exceed the Action Level.

APPENDIX C
JUNE 1996 ANALYTICAL DATA SUMMARY

TABLE 1- OSAR ANALYTICAL RESULTS SUMMARY
June 1996 Sampling Event

SAMPLE LOCATION	RESULT - TOTAL LEAD (mg/kg)		
	Depth 0 - 0.3'	Depth 1' - 1.5'	Duplicate
OSAR-AA4	89.8	----	----
OSAR-AA5	91.1	----	----
OSAR-AB3	325	----	----
OSAR-AB4	200	----	----
OSAR-AB5	5.2	----	----
OSAR-AB6	103	----	----
OSAR-A3	81.9	----	----
OSAR-A4	1660	----	792
OSAR-A5	336	----	----
OSAR-A6	248	78.8	----
OSAR-B1	30.0	----	----
OSAR-B2	2.4	----	----
OSAR-B3	10.7	----	----
OSAR-B4	7.5	----	----
OSAR-B5	24.6	----	----
OSAR-B6	112	----	----
OSAR-C1	971	----	----
OSAR-C2	2.6	2.8	----
OSAR-C3	14.0	----	----
OSAR-C4	1033	407	----
OSAR-C5	159	----	----
OSAR-C6	16.7	----	----
OSAR-D2	1.5	----	----
OSAR-D3	5.6	----	----
OSAR-D4	27.1	----	----
OSAR-D5	35.0	----	----
OSAR-D6	18.4	----	----
OSAR-E3	433	----	----
OSAR-E4	7.3	----	----
OSAR-E5	162	16.9	----

SAMPLE LOCATION	RESULT - TOTAL LEAD (mg/kg)		
	Depth 0 - 0.3'	Depth 1' - 1.5'	Duplicate
OSAR-E6	10.6	----	----
OSAR-F3	7.3	----	----
OSAR-F4	8.5	----	----
OSAR-F5	14.1	----	18.6
OSAR-F6	7.6	----	----
OSAR-G3	8.2	----	----
OSAR-G4	17.4	6.4	----
OSAR-G5	28.7	----	----
OSAR-G6	6.6	----	----
OSAR-H3	8.4	----	----
OSAR-H4	131	----	----
OSAR-H5	13.9	----	----
OSAR-H6	8.8	----	----
OSAR-I3	4.7	----	----
OSAR-I4	37.4	----	----
OSAR-I5	81.7	6.1	----
OSAR-I6	8.4	----	----
OSAR-J3	4.8	----	4.7
OSAR-J4	6.5	----	----
OSAR-J5	42.4	----	----
OSAR-J6	5.4	----	----

Notes:

1. Concentrations which exceed the 400 mg/kg action level for lead have been bolded.
2. ---- = Not Applicable

APPENDIX D
SECOND LEAD SAMPLING EVENT DATA AND LETTER REPORT

D.1 DATA SUMMARY TABLE

D.2 LETTER REPORT

D.1 DATA SUMMARY TABLE

TABLE 1- OSAR ANALYTICAL RESULTS SUMMARY
May 1997 Sampling Event

SAMPLE LOCATION	RESULT - TOTAL LEAD (mg/kg)		
	Depth 0 - 0.3'	Depth 1' - 1.5'	Duplicate
OSAR-BC1	191	----	----
OSAR-BC4	264	6.0	----
OSAR-C1-A	62.5	----	----
OSAR-C1-B	10.2	----	----
OSAR-C8	4.3	----	----
OSAR-C9	138	145	----
OSAR-C10	**545**	51.3	51.0*
OSAR-CD4	**463**	118	----
OSAR-DE	12.5	----	----
OSAR-E4-A	13.8	----	----
OSAR-E7	4.6	----	----
OSAR-E8	13.0	----	----
OSAR-EF	3.6	----	----

Notes:

1. Concentrations which exceed the 400 mg/kg action level for lead have been bolded.
2. ---- = Not Applicable
3. * = The duplicate sample was collected from a depth of 1-1.5 feet.

D.2 LETTER REPORT

OHM Remediation Services Corp.
A Subsidiary of OHM Corporation

June 12, 1997

17257

Mr. Joseph Szot, AFCEE Field Engineer
AFCEE/DAP
426 US Oval, Suite 2210
Plattsburgh, NY 12903

RE: Second Lead Sampling Event for the Old Small Arms Range (OSAR) at Plattsburgh Air Force Base, Plattsburgh AFB, New York
Contract No. F41624-94-D-8106, Delivery Order No. 0003
CDRL A030, Document Control No. DO03066-A

Dear Joe:

OHM Remediation Services Corp.(OHM) is pleased to submit information pertaining to the second round of sampling and analysis for total lead at the OSAR. If this letter report is deemed satisfactory, it may be considered an addendum to the technical report for the first round sampling conducted in August 1996. On 28 January 1997, OHM submitted a final technical report for this event (Document Control No. D003032), which addressed EPA and NYSDEC comments.

Sampling

On May 21 and 22, 1997, OHM obtained samples from the locations shown on figure 5-1 presented in Section 5.0 of the first round technical report. A copy of this figure is attached to this letter. Exceptions to the locations noted are listed below.

1. Samples were not collected at locations OSAR-C7 and OSAR-CD2 because the sample location OSAR-C1 was at the edge of the tree line and a steep slope. Site investigation of the wooded area at the base of the slope indicated that the area was not in the line of fire as the access road berm separates the range from the wooded area. The wooded area was not recently disturbed by construction equipment because trees in the area were old growth.

   Note: Figure 5-1 was based on a layout of the sample grid over a base map and was not tied into the base map. Because the figure presented discrepancies between the mapped relationship of the sample locations with the site features and the actual relationship, OHM had the first round sample locations surveyed so that the site feature map is more closely tied with the sample grid. A map of the surveyed delineation sample locations

from the first event and site features is attached to this letter. Second event sample locations, designated by an "X", have been added in manually.

2. Sample location OSAR-C1 was resampled because the lead exceedance is not within the firing range. It is in the access road, a few inches from the tree line. Please refer to the attached map. Two additional samples, OSAR-C1-A and OSAR-C1-B, were taken at the sample location. The original sample hole was expanded laterally about 3 to 5 inches and a sample collected from each half of the re-excavated hole.

3. Sample OSAR-E7 was collected 9 feet west of sample location OSAR-E3 because a thick stand of large trees was in the way. A sample could not be obtained within the trees because the trees were too dense.

4. In the response to EPA comment on Page 2-1, Sample Locations, OHM indicated that the sample collected from the debris pile was OSAR-F4. The response should have indicated it was sample OSAR-E4. Sample OSAR-E4 was collected from a debris pile with soil in it. It was not known if the soil in the debris was from the range, therefore, a sample was collected and analyzed. (AFBCA personnel stated they thought it was from off-site.) As presented in the first technical report the sample OSAR-E4 did not have a high lead level. During the second sampling event, another sample, OSAR-E4-A was collected adjacent to the debris pile, 5 feet to the east of location OSAR-E4, between E4 and E5.

   Note: Sample location OSAR-F4 appears to be taken from a crushed stone pile. This pile was placed over the sample location after it was sampled.

Sampling Procedures

At each location, a disposable plastic sampling scoop was used to collect at least 1,000 grams of soil which was placed into a disposable plastic bowl. The soil was then mixed and the required analysis volume was transferred to the laboratory-cleaned container, labeled, and placed in the sample shuttle with ice. At each location a new sampling scoop and bowl were used.

Quality control (QC) sample OSAR-DUP was collected during this sampling event. The duplicate sample was collected by alternately filling identical sample containers for OSAR-DUP and OSAR-C10-18 from the same batch of homogenized soil. A rinsate sample was not collected because disposable samplers were used.

Documentation

Sample identifications for this sampling event begin with "OSAR" to distinguish them from New Small Arms Range (NSAR) samples. Each sample was assigned a letter(s) and number based on grid coordinates. The letters were assigned by row running in the east-west direction and the numbers were assigned per the next available sequential number for that row. For example, OSAR-C10 was

collected from the OSAR's row "C" and "10" was the next sequential number for that row. The use of "10" does not necessarily mean that ten samples have been collected in that row because the particular row may not have a "1" column, such as row "E". Sample identifications with double letters, AA or AB, were samples collected within the 50-foot grid to more completely characterize the extent of contamination. A '3' or a '18' suffix is used in multi-depth sample identifications to indicate collection depths of 0 to 0.3 feet and 1 to 1.5 feet, respectively. For example, OSAR-C10-18 was collected from sample point C10 at a depth of 1.5 feet. An "A" or "B" was added to the end of a sample location if it was a resample of a first event sample location. A duplicate was identified by suffix "DUP". Other information, such as sample date and time, was recorded on the CTM Chain-of-Custody forms.

Sample Analysis

All soil samples were analyzed for total lead, using EPA Method 6010, by CTM Analytical Laboratories (CTM), a New York-certified subcontract laboratory. Lead analysis using EPA Method 6010 provided detection limits well below the site action level of 400 mg/kg. Method 160.3 was used to determine the moisture content of the samples in order to report samples on a dry weight basis. All samples collected during this sampling event were extracted and analyzed within the holding times of the method, and the QC results support acceptability of the data. . No special reporting requirements were requested due to the end use of the data which was to characterize the extent of lead contamination at the site.

Results and Recommendations

A total of eighteen (18) samples were collected from the OSAR. Analytical results for two samples indicate lead levels above 400 kg/mg. The locations of the two exceedences are OSAR-CD4-3 and OSAR-C10-3. A plan of the first event sample locations and site features is attached to this letter. The second round sample locations have been added manually.

OHM recommends delineating the removal area using the results of both sampling events. The attached figure 5-2 shows the revised removal area. The demarcation of the clean and exceedance, "hot", areas was based on splitting the distance between the clean and "hot" sample locations. Proposed depth of excavation is based upon the recommendations in the final technical report for the first lead sampling event. OHM recommends that the OSAR-C1 location not be removed based on the resampling of that location and the physical appearance of the site. It is located in the tree line of the access road.

Based upon the first- and second-event delineation sample results, OHM estimates a total of 270 in-place cubic yards require removal. This estimate represents an approximate 400 cubic yard reduction

in volume compared with the volume estimate based upon the first OHM delineation sampling event. Additional material may need to be removed if confirmation samples exceed 400 kg/mg.

This submission satisfies the requirements for the above-referenced Contract Data Requirements List (CDRL). If you have any questions or require additional information, please notify Ken Kukkonen or me at (518) 562-3423.

Sincerely,
OHM REMEDIATION SERVICES CORP.

Kenneth W. Kukkonen

Ken W. Kukkonen, P.E.
Senior Project Manager

Attachments: Figure 5-1, Delineation Map and Analytical Results

KWK:kaf

pc: AFCEE/ERB (1 copy)
AFCEE/ERS (LT)
AFBCA/DAP (2 copies)
DCMAO (LT)
J. Green, OHM (LT)
K. Fagan, OHM (1 copy)
OHM Project 17257

A:\OSARTEC2.WPD

GRID

STATE PLANE COORDINATES		
POINT #	N	E
5001	1701936.744	720929.344
5100	1702194.716	720997.792
5200	1702606.927	721075.388

E7 X SECOND SAMPLE EVENT SAMPLE LOCATION (TYP.)

PROPOSED 10" EXCAVATION AREA

PROPOSED 2' EXCAVATION AREA

PROPOSED 2' EXCAVATION

PROPOSED 10" EXCAVATION AREA

PROPOSED 1' EXCAVATION AREA

DEBRIS PILE

CRUSHED STONE PILE (APPROX. LOCATION)

Access Road

FORMER FIRING LINE

FORMER TARGET LINE

FORMER TRAILER

Chain link fence

5001

5100

5200

N 14°50'54" E 287.10'

N 10°39'39" E 419.45'

0 60'

SCALE: 1 INCH = 60 FT.

Base map provided by Plattsburgh AFB

LEGEND:

- J3 / F5 — Soil sampling locations (Typ.)
- Survey control station
- Tree Line
- 260 — Existing ground contour

DATE(S) SURVEY FIELD DATA WAS COLLECTED: April 11, 1997

DATE THIS MAP WAS ORIGINALLY COMPLETED: 6/12/97

* This is a preliminary release issued on: _____

REVISIONS

DELINEATION SAMPLING LOCATION MAP

OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE

PREPARED FOR
OHM REMEDIATION SERVICES CORP.

Design Engineering & Land Surveying, P.C.
10 CITY HALL PLACE SUITE 201
PLATTSBURGH, N.Y.
(518) 561-1508
FAX (518) 561-1990
ENGINEERING, PLANNING, SURVEYING

DRAWN BY: K. Smith

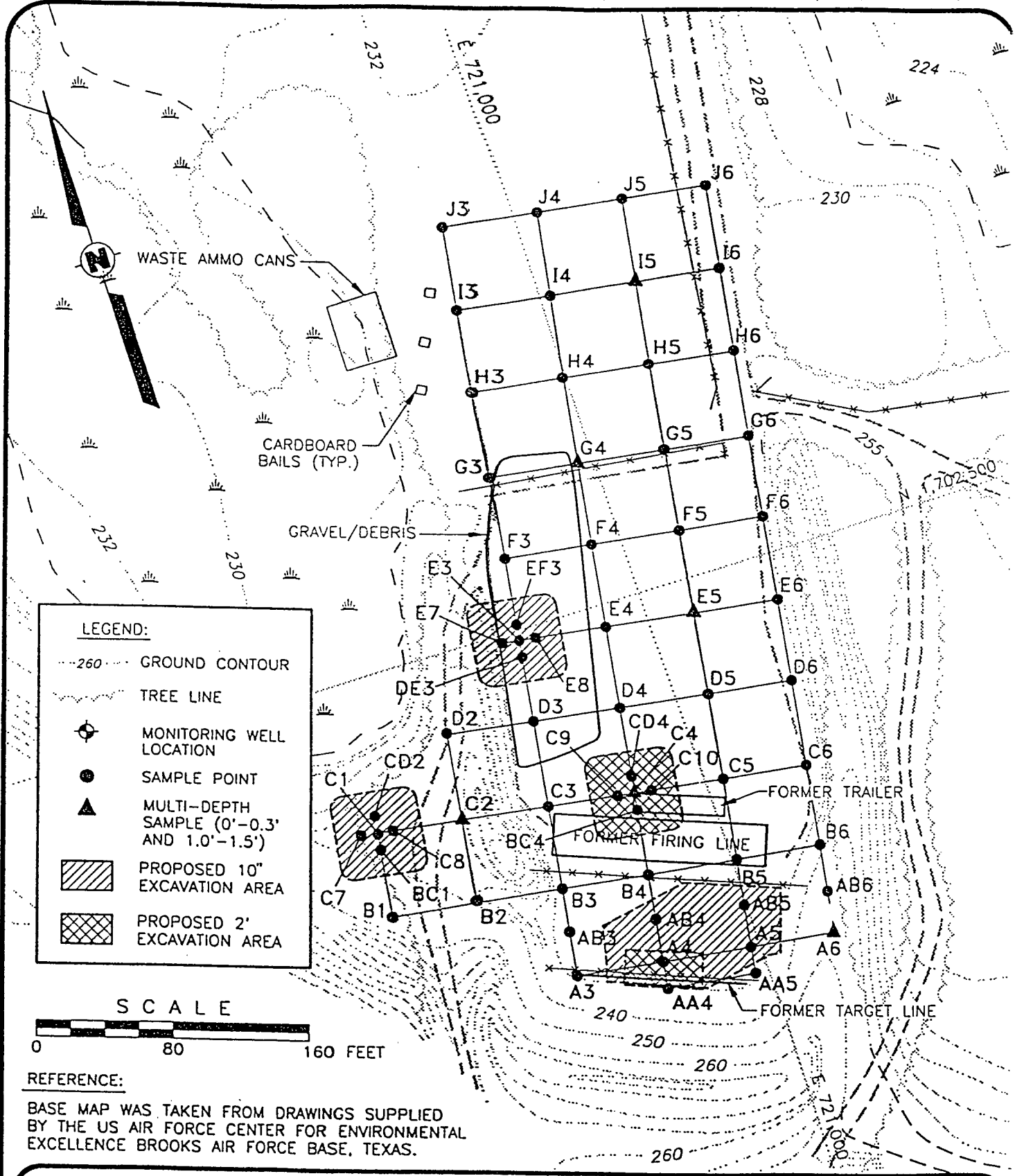
STATE OF NEW YORK
SCOTT B ALLEN
049595
LICENSED LAND SURVEYOR

Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of Section 7209 Subdiv. 2, of the New York State Education Law.

Only copies from the original of this survey bearing an original of the Land Surveyor's seal shall be considered to be true copies.

SCOTT B. ALLEN, L.L.S.
LICENSE NO. 49595

Sheet 1 of ____ JOB NO. 1824 OSAR



REFERENCE:

BASE MAP WAS TAKEN FROM DRAWINGS SUPPLIED BY THE US AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE BROOKS AIR FORCE BASE, TEXAS.

OHM Remediation Services Corp.

OHM Project No. 17257

Drawn By:	Checked By:	Approved By:
BBO/ACS	K. Fagan	M. Cormier
Date: 8/14/96	Scale: AS SHOWN	Drawing No. 17257-A41

FIGURE 5-1

PROPOSED REMOVAL ACTION AREAS

OLD SMALL ARMS RANGE
PLATTSBURGH AIR FORCE BASE, NEW YORK

PREPARED FOR

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

CAD File: 17257-A41

Plot Scale: 1 = 80 revision 0

CTM Analytical Laboratories, Ltd.

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Laboratory Analysis Report
Prepared for: OHM REMEDIATION SERVICES CORP
CTM Project Number: 9913642
CTM Task Number: 9705231
10 JUN 1997

IMPORTANT - PLEASE NOTE

1. All results are calculated on a dry weight basis unless otherwise specified.
2. PQL = Practical Quantitation Limit.
3. A result with a "D" means that the result was "Detected" below the Practical Quantitation Limit (PQL), but above the Method Detection Limit (MDL).
4. ND = Not Detected at or above the PQL.
5. NTP = Non-target peaks (1-5 peaks).
   MNTP = Many non-target peaks (5+ peaks).
6. pH results not performed in the field should be considered estimated since the holding time is 15 minutes from the sampling time.
7. If the samples are collected independently of our laboratory, CTM is not responsible for the possible contamination during the sampling procedure.
8. Methylene chloride and acetone are common laboratory artifacts for volatile organic analysis. Bis-(2-ethyl-hexyl) phthalate and di-n-butylphthalate are common laboratory artifacts for GC/MS semivolatile analysis. Other compounds ma also appear as laboratory artifacts for the organic analyses. The above compounds will be flagged as suspected laboratory artifacts if the detected value is less than five (5) times of the PQL in the sample. Acetone will be flagged as a suspected laboratory artifact only up to two and a half (2.5) times of the PQL.
9. If air samples are collected independently of our laboratory, CTM is not responsible for inadequate sample volume for air analysis.

AUTHORIZED FOR RELEASE: [signature]

DATE: 6/10/97

CERTIFICATIONS:

NYS E.L.A.P. ID NO: 10358 MA: NY052 CT: PH-0551 NJ: 73581

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OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 9705231

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 14:40
Sampled By : FAGAN
Sample Id: OSAR-E7
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 01
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	95.4		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	4.6	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 14:45
Sampled By : FAGAN
Sample Id: OSAR-E8
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 02
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
% SOLIDS	CLP SOW 4/89	93.5		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	13.0	1.1	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 14:50
Sampled By : FAGAN
Sample Id: OSAR-EF3
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 03
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Refere
% SOLIDS	CLP SOW 4/89	95.0		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	3.6	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=P

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Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 9705231

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 14:55
Sampled By : FAGAN
Sample Id: OSAR-DE3
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 04
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	93.2		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	12.5	1.1	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:20
Sampled By : FAGAN
Sample Id: OSAR-CD4-18
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 05
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	92.5		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	118	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:25
Sampled By : FAGAN
Sample Id: OSAR-CD4-3
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 06
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	93.2		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	463	1.1	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 9705231

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:34
Sampled By : FAGAN
Sample Id: OSAR-C9-18
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 07
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
% SOLIDS	CLP SOW 4/89	91.3		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	145	1.1	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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CTM PROJECT #: 9913642

CTM Task #: 970523I

Attention: MS. KELLY FAGAN

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:37
Sampled By : FAGAN
Sample Id: OSAR-C9-3
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 08
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
% SOLIDS	CLP SOW 4/89	88.8		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	138	1.1	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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CTM PROJECT #: 9913642

CTM Task #: 9705231

Attention: MS. KELLY FAGAN

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:42
Sampled By : FAGAN
Sample Id: OSAR-C10-18
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 09
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
% SOLIDS	CLP SOW 4/89	93.5		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	51.3	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:44
Sampled By : FAGAN
Sample Id: OSAR-DUP
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 10
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
% SOLIDS	CLP SOW 4/89	93.5		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:22 6/5/97
LEAD	ICP, SW-846 METHOD 6010	51.0	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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CTM PROJECT #: 9913642

CTM Task #: 970523I

Attention: MS. KELLY FAGAN

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:49
Sampled By : FAGAN
Sample Id: OSAR-C10-3
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 11
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	93.5		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	545	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPI

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PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 9705231

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 15:00
Sampled By : FAGAN
Sample Id: OSAR-BC4-3
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 12
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	93.7		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	264	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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P.O. Box 727
Latham, NY 12110
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Sampling Services

OHM REMEDIATION SERVICES CORP
P.O.BOX 2202
PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 9705231

Purchase Order Number: LPO-75549
Date Sampled: 05/22/97 Time: 15:05
Sampled By : FAGAN
Sample Id: OSAR-BC4-18
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 9705231 13
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referen
% SOLIDS	CLP SOW 4/89	88.8		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	6.0	1.1	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/21/97 Time: 11:21
Sampled By : FAGAN
Sample Id: OSAR-E4-A
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 14
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	96.2		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	13.8	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/22/97 Time: 11:46
Sampled By : FAGAN
Sample Id: OSAR-C1-A
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 15
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	96.9		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	62.5	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PP

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PLATTSBURGH NY 12901

CTM PROJECT #: 9913642

CTM Task #: 970523I

Attention: MS. KELLY FAGAN

Purchase Order Number: LPO-75549
Date Sampled: 05/22/97 Time: 11:51
Sampled By : FAGAN
Sample Id: OSAR-C1-B
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 16
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	97.5		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	10.2	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/22/97 Time: 11:56
Sampled By : FAGAN
Sample Id: OSAR-BC1
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 17
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	95.9		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	191	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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PLATTSBURGH NY 12901

Attention: MS. KELLY FAGAN

CTM PROJECT #: 9913642

CTM Task #: 970523I

Purchase Order Number: LPO-75549
Date Sampled: 05/22/97 Time: 12:00
Sampled By : FAGAN
Sample Id: OSAR-C8
Location : PAFB, PLATTSBURG, NY

CTM Sample No: 970523I 18
Date Received: 05/23/97
Collection Method: GRAB
Matrix: SOIL

Parameters and Standard Methodology Used		Results	PQL	Unit	Analyst Referenc
% SOLIDS	CLP SOW 4/89	96.3		%	ACM 5/30/97
ACID DIGESTION - FLAME/ICP	SW-846 METHOD 3050	COMPLETED			D-23:24 6/9/97
LEAD	ICP, SW-846 METHOD 6010	4.3	1.0	MG/KG	F-6:149 6/9/97

REMARKS:

END OF REPORT

LEGEND: MG/KG=PPM, MCG/KG=PPB, MG/L=PPM, MCG/L=PPB, MCG/G=PPM

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CHAIN OF CUSTODY RECORD
LABORATORY SERVICES

CTM TASK # 1642
Work # 1038

Client OHM Remediation Corp.
Client Contact Kelly Fagan
Project Location DAFB, Plattsburgh, New York
Purchase Order LPO-75549

Sampler's Name Kelly Fagan
(please print)
CTM Contact Amy Laffin & Prince Knight
Turnaround Time Requested 2 week TAT

CTM LAB ID	Sample ID/Description	Date Sampled	Time A = a.m. P = p.m.	Sample Type: Matrix	Sample Type: COMP	Sample Type: GRAB	# of Containers	Preservative (list by # from list below)	Analysis Required
11	OSAR-C10-3	5.21.97	1549	Soil		X	1-4oz	N	TOT. Lead
12	OSAR-BC4-3	5.21.97	1500	Soil		X	1-4oz	N	TOT. Lead
13	OSAR-BC4-18	5.21.97	1505	Soil		X	1-4oz	N	TOT. Lead
14	OSAR-E4-A	5.22.97	1121	Soil		X	1-4oz	N	TOT. Lead
15	OSAR-C1-A	5.22.97	1146	Soil		X	1-4oz	N	TOT. Lead
16	OSAR-C1-B	5.22.97	1151	Soil		X	1-4oz	N	TOT. Lead
17	OSAR-BC1	5.22.97	1156	Soil		X	1-4oz	N	TOT. Lead
18	OSAR-C8	5.22.97	1200	Soil		X	1-4oz	N	TOT. Lead

	Sampled by: (signature)	Date/Time	Received by: (signature)	Date/Time
	Kelly Fagan	5.21.97	HOLD ON SITE	5.21.97
	Relinquished by: (signature) Kelly Fagan	5.22.97	Received by: (signature) FED EX	5.22.97
	Relinquished by: (signature)		Received by: (signature)	
	Dispatched by: (signature)		Received for Laboratory by:	5.22.97 10:00AM

Preservatives
1. HCl
2. HNO_3
3. NaOH
4. NaS_2O_3
5. Zn Acet
6. Ascorbic
7. H_2SO_4
8. F (Filtered)
9. N (not preserved)
10. Other

Sample Condition
1. Samples intact? Y N
2. Custody seals intact? Y N
3. Preserved properly? Y N
4. Ambient or chilled? Y N
5. C.O.C. received with samples? Y N

NOTES/COMMENTS:

Method of Shipment: Courier FedEx 534072465
Date: 5/22/97

PLEASE SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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CTM

CHAIN OF CUSTODY RECORD
LABORATORY SERVICES

page 1/2

970[illegible]3I

CTM TASK # 13642
Quote # 1038

Client: OHM Remediation Corp.
Client Contact: KELLY FAGAN
Project Location: PAFB, Plattsburgh, NY
Purchase Order: LPO - 75549

Sampler's Name (please print): Kelly Fagan
CTM Contact: Alan Laffin / Bruce Knight
Turnaround Time Requested: 2 week TAT

CTM LAB ID	Sample ID/Description	Date Sampled	Time A = a.m. P = p.m.	Sample Type: Matrix	COMP	GRAB	# of Containers	Preservative (list by # from list below)	Analysis Required
01	OSAR-E7	5/21/97	1440	Soil		X	1-4oz	None	Total Lead
02	OSAR-E8	5-21-97	1445	Soil		X	1-4oz	None	Tot. Lead
03	OSAR-EF3	5-21-97	1450	Soil		X	1-4oz	None	Total Lead
04	OSAR-DE3	5-21-97	1455	Soil		X	1-4oz	None	Tot. Lead
05	OSAR-CD4-18	5-21-97	1520	Soil		X	1-4oz	None	Tot. Lead
06	OSAR-CD4-3	5-21-97	1525	Soil		X	1-4oz	N	Total Lead
07	OSAR-C9-18	5-21-97	1534	Soil		X	1-4oz	N	Tot. Lead
08	OSAR-C9-3	5-21-97	1537	Soil		X	1-4oz	N	Total Lead
09	OSAR-C10-18	5-21-97	1542	Soil		X	1-4oz	N	Total Lead
10	OSAR-DUP	5-21-97	1544	Soil		X	1-4oz	N	Total Lead.

Sampled by: (signature) K Fagan	Date/Time 5/21/97	Received by: (signature) HOLD	Date/Time 5-21-97
Relinquished by: (signature) K Fagan	5/22/97	Received by: (signature) Fed Ex	5-22-97
Relinquished by: (signature)		Received by: (signature)	
Dispatched by: (signature)		Received for Laboratory by: [signature]	5/23/97 10:00 am

NOTES/COMMENTS:

Preservatives

1. HCl
2. HNO_3
3. NaOH
4. NaS_2O_3
5. Zn Acet
6. Ascorbic
7. H_2SO_4
8. F (Filtered)
9. N (not preserved)
10. Other

Sample Condition

1. Samples intact? (Y) N
2. Custody seals intact? (Y) N
3. Preserved properly? (Y) N
4. Ambient or chilled?
5. C.O.C. received with samples? (Y) N

Method of Shipment: Cooler FedEx

Date: 5/22/97

PLEASE SEE REVERSE SIDE FOR TERMS AND CONDITIONS

5340724465

APPENDIX E
RESPONSES TO COMMENTS - LEAD SAMPLING REPORT

EPA Comments
Final Technical Report: Old Small Arms Range - Lead Sampling (July 7, 1997)

Comment #1

As stated in EPA's comments on the draft report, the protocols for additional sampling, determining the sizes of the removal areas, and confirmatory sampling, associated with original sample points C1, C4, and E3 (samples exceeding the cleanup levels) are in need of clarification because several contradictions occur within the text and between the text and the figure showing the locations of the removal areas (Figure 5-1). The text states (page 6-1, Section 6.1, paragraph 2) that additional sampling will be conducted around points C1, C4, and E3 at distances halfway between the "clean" and "lead-contaminated" sample locations, placing the "proposed sampling locations at 12.5 feet from the original sample points in all four directions along the grid lines." According to the report, however, the grid nodes (and therefore the original sampling points) are 50 feet apart. Half this distance would then be 25 feet, not 12.5 feet. If this is correct, Figure 5-1 needs to be revised to show the additional sampling points at locations half way between the grid nodes.

It is stated on Page 6-2, Section 6.2, paragraph 1 that "The removal areas...*as shown on Figure 5-1* are 50 feet by 50 feet (2500 sf)." While the removal areas do appear to be 50 feet by 50 feet on the figure, such wording offers little in the way of meaning. The text should state that the *intended* dimensions of the removal areas are 50 feet by 50 feet, but that in an effort to reduce costs (as is stated elsewhere in the text), the dimensions *may* be reduced based on the results of the additional sampling. As stated above, the planned additional sampling points should be shown on Figure 5-1 lying half way between the original grid nodes, which would also place them directly on the boundaries of the *planned* removal areas, 25 feet in each direction from the original lead-contaminated locations. As currently shown, the removal areas extend well beyond the planned additional sampling locations, which makes no sense. If concentrations at the planned additional locations are below the cleanup levels (according to Section 6.2 paragraph 1), then soil would *only* be removed to a distance half way between the original contaminated locations and these new "clean" locations. The boundaries of the removal areas would thereby decrease to 25 feet by 25 feet, and the *originally* planned additional sample locations would lie outside the *actual* removal areas. If concentrations at the planned additional sampling locations are greater than the proposed cleanup levels, however, then the boundaries of the removal areas would have to be extended accordingly (i.e., outward toward the original "clean" node locations). This was not made clear in the report, which appears to consider it a forgone conclusion that the removal area boundaries will decrease in size. Furthermore, the report needs to make clear what will happen in the case of planned additional samples that do come up "clean". Will yet further additional samples be collected to further reduce the size of the

removal areas? If so, where would removals under this type of protocol end? EPA recommends that the actual size of the removal areas be reduced to no less than half (i.e., 25 feet by 25 feet) the originally planned size (i.e., 50 feet by 50 feet).

The report states (page 6-2, Section 6.2, paragraph 4) that confirmatory samples will be collected at 20 foot grid intervals along the bottoms and sidewalls of each of the excavation areas. This protocol is in need of clarification as the removal areas associated with points C1, C4, and E3 are not contiguous. Does this mean separate 2 dimensional grids for each excavation? If the removal areas are reduced to 25 feet by 25 feet, a grid would not be needed. The text should be revised to state that the bottoms and all four sidewalls of each excavation will be sampled at a minimum of 20 foot intervals in each direction. Regardless, EPA recommends the collection of at least five confirmatory samples per removal area (i.e., one soil sample from each side and one sample from the bottom of each excavation). Also, the text states that if any of the confirmatory samples exceed the cleanup levels, then "a minimum of 6 inches of soil will be removed from half the distance between this exceedance location and the closest "clean" sample location along the four grid lines." What are the four "grid lines"? Does this mean a vertical thickness of 6 inches? Clarification is needed.

OHM Response:

The proposed additional sampling locations around the original sample points C1, C4 and E3 were plotted incorrectly on Figure 5-1 and the distance along each grid line stated in the text, 12.5 feet, contradicts the statement that the samples will be collected "at half the distance between a 'clean' and a lead-contaminated sample location." This discrepancy was discussed with AFBCA personnel prior to the second sampling event at the OSAR. Due to the low cost and relatively quick turnaround time for lead analysis, and in an attempt to further reduce removal costs, the samples were collected at 12.5 feet along each grid line. The results of the second round of sampling were presented in a letter to Mr. Joseph Szot, AFCEE Field Engineer, on June 12, 1997. Based on further review of these analytical results, as well as the comments provided by the EPA, OHM has the following recommendations for the removal action at the OSAR:

- *The original sample location C1 is located along the outside of the access road, at the edge of the tree line and adjacent to a steep slope. A site investigation of the area indicates that this sample location was not in the line of fire due to the access road berm which separates the range from the wooded area. The samples collected from locations 12.5 feet to the south (BC1) and east (C8) of C1 had lead concentrations (191 ppm and 4 ppm) below the action level. The samples north (CD2) and west (C7) of C1 were not collected because they were located on the steep embankment in the wooded area. Two additional samples collected immediately adjacent to the original sample hole, also had lead concentrations (63 ppm and 10 ppm) below the action*

level. Based on these results and the physical appearance of the site, OHM recommends that the OSAR-C1 location not be excavated.

- *The four samples collected around original sample location E3 were collected at a distance of 12.5 feet along each grid line. All four samples had lead concentrations below the action level. This prompted OHM to recommend a removal area of half the distance between E3 and each additional sample location (12.5 feet by 12.5 feet). Since the EPA does not want the removal areas to be reduced by more than half the originally planned size (50 feet by 50 feet), OHM recommends that the removal area should only be reduced to 25 feet by 25 feet, centered at original sample location E3.*

- *Following the removal of the lead contaminated soil, grab confirmation samples will be collected to ensure that the 400 ppm action level has been attained. The sampling around location E3 will consist of four samples from the bottom of the excavation. Each sample will be collected at the midpoint between E3 and the four corners of the excavation. Sidewall samples will not be necessary since surface soil samples have already been collected from the same locations (E7, EF3, E8 and DE3). If any of the confirmation samples contain lead at concentrations greater than 400 ppm, then a minimum of 6 inches of soil will be removed from an area half the distance to the sidewalls and/or the closest "clean" confirmation sample location. This new area will then be re-sampled (two grab samples per re-excavated area). The process of removing soil followed by the collection of confirmation samples will be repeated until all confirmatory sample results are below the clean up criteria.*

- *The two samples (OSAR-CD4-3 and OSAR-C10-3) collected 12.5 feet to the north and east of original sample location C4 had lead concentrations above the 400 ppm action level. Both of these samples were collected at a depth of 0 to 0.3 feet. The samples collected from these same locations at a depth of 1 to 1.5 feet as well as the multi-depth samples collected from the other two locations, 12.5 feet to the south and west of C4 (C9 and BC4), all had lead concentrations below the action level. Based on the current results and the EPA's recommendation not to reduce the excavation more than half the originally planned size (50 feet by 50 feet), the area to be remediated will consist of a 25 foot by 25 foot area centered at C4 that will be excavated to a depth of 2 feet. This excavation will be expanded to the north and east, at a depth of 10 inches, 18.75 feet (half the distance between CD4, C10 and D4,C5, respectively).*

- *The confirmation sampling around location C4 will consist of four samples collected from the bottom of the 2 foot excavation (half the distance between C4 and the four corners of the excavation). Sidewall samples will not be necessary for the 2 foot excavation due to the results from the second round of sampling collected at a depth of 1-1.5 feet (C9-18, CD4-18, C10-18 and BC4-18). Three samples will be collected from the bottom of the 10 inch excavation as well as 6 samples from the sidewalls. If any of the confirmation samples have lead concentrations above 400 ppm, excavation*

will continue in six inch lifts (half the distance to the nearest "clean" sample or sidewall) until confirmation sample results indicate that action levels have been met.

A new site map (refer to OHM's Response to EPA Comment #9) with recommended removal areas and confirmation sampling locations is attached to these responses.

EPA Comment #2

Sufficient detail on sampling related to removal of the waste ammo cans was not provided in the report. The proposed sampling location(s) should be presented on Figure 5-1. The number of soil samples and the depth(s) of collection need to be provided. The sample(s) to be collected should vertically and horizontally characterize the area in the vicinity of the waste ammo cans. In addition, it is recommended that the sample(s) be collected and analyzed prior to the initiation of removal activities, so that an estimate of the total volume of soil requiring disposal can be obtained.

OHM Response:

The waste ammo cans occupy a triangular shaped area 34 feet to the west of original sample location H3. The approximate area occupied by the pile is 391 sf. The cans are embedded approximately 1-2 feet into the ground. Once the ammo cans have been removed, samples will be collected from the excavation for TAL metals analysis. One sample will be collected from the center of each excavation sidewall and two samples will be collected from the bottom of the excavation. Any additional excavation at this site will be determined by AFCEE.

EPA Comment #3

Prior data indicated a potential groundwater problem at the site, and additional groundwater sampling is recommended. Groundwater data from the Site Investigation (SI) indicated an elevated concentration of copper above ARARs in MW-33-002, which was described as an anomalous reading. Copper could be a groundwater contaminant of concern, because it may have been deposited at the site in the form of copper/brass bullet casings.

Also, the use of PZ-3S as an upgradient background well is questionable due to its horizontal distance and possible location on the opposite side of the groundwater divide (see September 1994 Basewide EBS). Additional information on a potential groundwater divide in this area should be presented. The Basewide Groundwater Impact Study should be consulted as it may include the results of groundwater investigations in this area.

OHM Response:

Groundwater sampling and analysis at the Old Small Arms Range is outside of OHM's Scope of Work for Delivery Order 003. Please refer to the URS' Responses to EPA Comments on the URS SI report, which will be submitted under separate cover at a later date.

EPA Comment #4

Based upon an evaluation of historical information, soil sample locations SS-33-31 and SS-33-32 should not be considered background. Background soil samples should have been taken from a location within the adjacent wooded area.

OHM's scope of work under Delivery Order 003 is to determine the extent of any lead-contaminated soil at the OSAR and to remove the soil from the site. The background samples SS-33-31 and SS-33-32 were collected by URS Consultants in support of their SI report for the OSAR. Any questions pertaining to the basis of the background samples should be directed to URS.

EPA Comment #5

EPA's General Comment #7 on the Draft Technical Report requested clarification concerning the use of Malcolm Pirnie's Chemical Data Acquisition Plan (CDAP) and the OHM Site-Specific Quality Assurance Project Plan (QAPP). It is EPA's understanding that the AFCE QAPP and FSP were to be used for all work at the base as of Spring 1996. If the Malcolm Pirnie CDAP and OHM QAPP were used, exactly which portions of these documents are being referred to, and for what parts of this report were each of them used? Also, why was Section 7.0 (References) not included in the Final Technical Report.

OHM Response:

As stated in OHM's Response to EPA's General Comment #7 (November 25, 1997), Delivery Order 003 was issued in September 1995. The Scope of Work under D003 (which includes the Remedial Actions at the Old Small Arms Range) is being performed under the OHM QAPP. The OHM QAPP was developed using Malcolm Pirnie's CDAP as guidance. Section 3.0 (Documentation) of the Final Technical Report's text states that the documentation procedures used during the sampling events were in accordance with "relevant portions" of the OHM QAPP and the CDAP. These relevant portions are Section 5.2 (Sample Numbering and Labels) of the QAPP and Section 5.3 (Sample Identification) of the CDAP.

Section 7.0 (References) was accidentally omitted during the production of the Final Technical Report. A copy of this section is attached to these responses.

EPA Comment #6

At least 10% of the soil samples collected from the area north of the firing line should have been analyzed for full TAL metals, as a screening for other inorganic contaminants.

OHM Response:

As stated in OHM's Response to EPA Comments (November 25, 1996), OHM's Scope of Work under Delivery Order 003 is for the removal of lead-contaminated soils. The purpose of the sampling event was to determine lead concentrations in the soils.

EPA Comment #7

Any soils to be removed from the site should have TCLP analyses to determine whether or not the material is considered a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA).

OHM Response:

The soil excavated during the removal action will be transported and disposed off site at Chemical Waste Management's (CWM) facility in Model City, New York. CWM will be responsible for transportation, stabilization and disposal of the soils from our removal action. Any characterization analyses for disposal (i.e. TCLP) will be coordinated with the facility.

EPA Comment #8

Additional clarification on the number and locations of the multi-depth samples is needed (see page 2-2, Section 2.1). It is not clear why 10% of the sampling is being performed in this manner, and the locations appear to be random.

OHM Response:

During the Site Progress Meetings held on June 1 and June 12, 1996, the additional sampling locations (south of the firing line, overlapping URS' sampling locations) and the multi-depth sample locations were discussed with AFCEE. It was agreed that 10% of the sample grid locations would have samples collected from a greater depth, 1' to 1.5'. These samples were collected to verify that the elevated lead levels were confined to the surface soils as presented in the URS SI report. Ten percent was chosen because it was thought to provide enough data points to verify the URS SI findings. The sampling locations were selected at random to eliminate bias from previous data.

EPA Comment #9

The report recommends relocation of the debris pile and resampling at location F4 because it is not known whether or not the debris pile was placed on lead-contaminated soil. The same rationale should hold up for the other samples collected from the gravel/debris area (e.g., D3, F3 and G3). Resampling should be conducted at more than one location in this area. Also, sample location F4 appears to lie outside of the gravel/debris area on Figure 2-1. Why is this?

OHM Response:

As stated in OHM's letter to Mr. Joseph Szot, AFCEE Field Engineer (Second Lead Sampling Event for the Old Small Arms Range (OSAR) at Plattsburgh Air Force Base, June 12, 1997), Figure 2-1 (and Figure 5-1) was based on a layout of the sample grid over a base map and was not tied into the base map. This resulted in discrepancies between the mapped relationship of the sample locations with the site features and the actual relationship. OHM had the first round sample locations surveyed so that the site feature map is more closely tied with the sample grid. A review of this new site map reveals that the only sample collected from the gravel/debris pile was OSAR-E4. An additional sample, OSAR-E4-A, was collected adjacent to the debris pile, 5 feet to the east of location OSAR-E4. The sample had a lead concentration of 13.8 ppm, well below the action level of 400 ppm, therefore further resampling at this location is unnecessary.

A review of the new site map shows that the sample location OSAR-F4 appears to be collected from beneath a crushed stone pile, not from the debris pile as previously indicated in OHM's Response to EPA Comment on Page 2-1, Sample Locations (November 25, 1996). This pile was either expanded or moved, after OSAR-F4 was sampled, thus placing crushed stone over the sample location. Review of the chain-of-custody for sample OSAR-F4 indicates that the sample was collected from the underlying soil and not from the crushed stone pile.

EPA Comment #10

The report states that additional vertical sampling is not necessary based on data obtained from previous sampling events. As EPA stated in its comments on the draft report, however, data previously collected may be biased due to dilution with backfilled material. Sampling at depths greater than the original excavation work needs to be performed to ensure that the levels of lead are as low as identified during previous phases of investigation. It is suggested that additional information concerning the original excavation (e.g., depth of excavation) and backfilling operation be presented.

OHM Response:

OHM's Environmental Sampling and Analysis Plan (ESAP) for the OSAR states that the Scope of Work under Delivery Order 003 includes lead sampling from a 50 foot grid located north of the former target line. Additional sampling locations, which overlapped URS' sampling locations, were included in the addendum to the ESAP. These locations were also north of the target line and do not appear to be in the backfill soils. The URS SI report does not state the depth of the IRA excavation (south of the former target line), therefore it is not known whether URS' data was biased due to dilution. Any additional sampling in the IRA area south of the target line is currently outside OHM's Scope of Work under Delivery Order 003.

NYSDEC Comments
Final Technical Report: Old Small Arms Range -Lead Sampling
(July 16, 1997)

Comment #1

The document is presented as a final document, however, our understanding is that it is a draft final.

OHM Response:

The document was presented as a final document, however it will be revised to incorporate any comment responses as appropriate.

Comment #2

In Section 6.1 it is proposed that at the three locations "one sample will be collected at half the distance between a "clean" and lead-contaminated sample location. This places the proposed sampling locations at 12.5 feet from the original sample points...". Since the sampling grid was on a 50 foot spacing, the sample should be collected 25 feet between a "clean" and a lead-contaminated sample location.

OHM Response:

Please refer to OHM's Response to EPA Comment #1.

APPENDIX F
SITE PHOTOGRAPHS

Area 1 - After initial soil removal.

Area 1 - After initial soil removal.

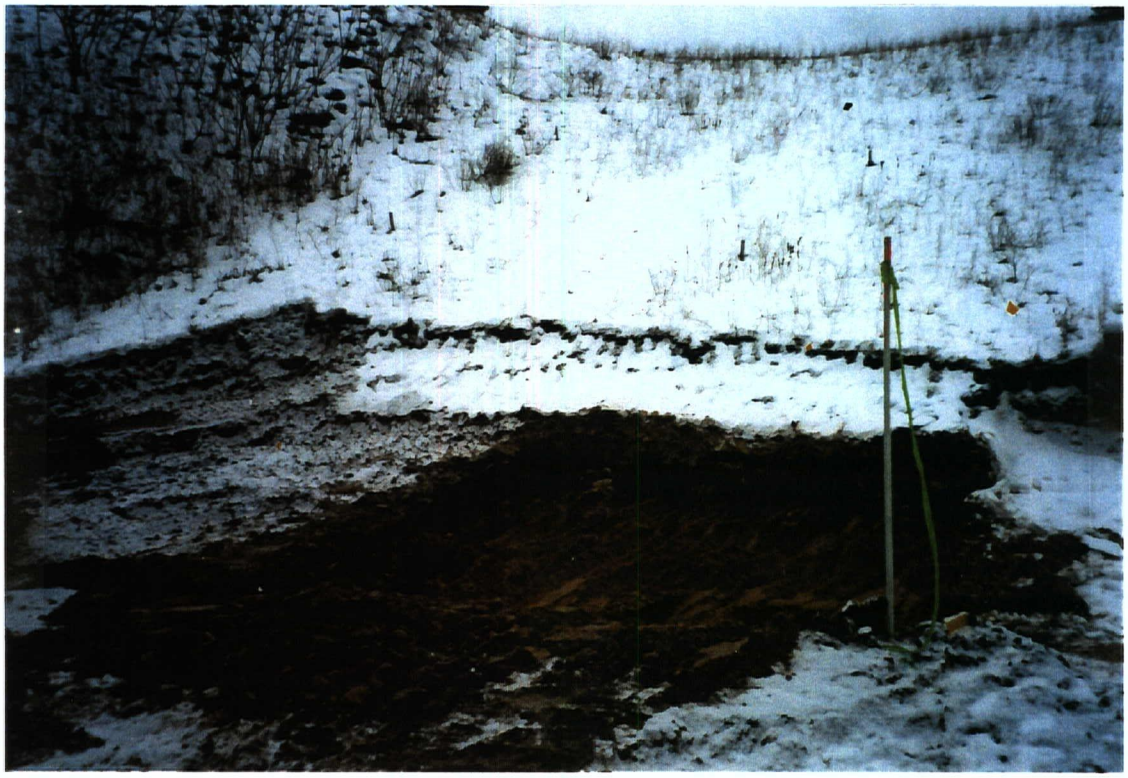
Area 2 - Soil removed on 11/19/97. The excavation was completed on 11/20/97.

Area 3 - After contaminated soil removal.

Excavation of Area 1 with Areas 2 and 3 in the background.

Excavation resulting from the ammuniton can removal.

Area 1 - Removal of OSARC-51 (final extent of excavation).



Area 1 - Removal of OSARC-49 (final extent of excavation).

APPENDIX G
DATA VALIDATION REPORT

DATA VALIDATION REPORT FOR

OLD SMALL ARMS RANGE

Prepared for

AIR FORCE CENTER FOR ENVIRONMENTAL EXCELLENCE
BROOKS AIR FORCE BASE, TEXAS

AND

PLATTSBURGH AIR FORCE BASE
PLATTSBURGH, NEW YORK

Prepared by:

PARSONS ENGINEERING SCIENCE, INC.
LIVERPOOL, NEW YORK

AND

OHM REMEDIATION SERVICES CORP.
TRENTON, NEW JERSEY

FEBURARY 1998

TABLE OF CONTENTS

LIST OF ATTACHMENTS

LIST OF TABLES

SECTION 1

DATA VALIDATION SUMMARY

Soil samples were collected from the Plattsburgh Air Force Base (AFB) - Sites OSAR (Old Small Arms Range) and ACA (Ammunitions Containment Area) in Plattsburgh, New York from November 20, 1997 through December 12, 1997. Analytical results from these samples were validated and reviewed by Parsons Engineering Science, Inc. (Parsons ES) for usability with respect to the following requirements:

- Quality Assurance Project Plan (QAPjP),
- USEPA SW-846 analytical methods, and
- USEPA Region II Standard Operating Procedures (SOP) in "Evaluation of Metals Data for the CLP Based on SOW 3/90," SOP No. HW-2, Revision #11, January 1992.

The analytical laboratory for this project was American Environmental Network (AEN).

1.1 LABORATORY DATA PACKAGES

The data packages received from AEN were paginated, complete, and overall were of good quality. Comments on specific quality control (QC) and other requirements are discussed in detail in the attached data validation reports which are summarized in Section 2.

1.2 SAMPLING AND CHAIN-OF-CUSTODY

Soil samples were collected, properly preserved, shipped under a chain-of-custody (COC) record, and received at AEN within one day of sampling. All samples were received intact and in good condition at AEN.

1.3 LABORATORY ANALYTICAL METHODS

Soil samples were collected from Sites OSAR and ACA and analyzed for metals. Summaries of issues concerning these laboratory analyses are presented in Subsection 1.3.1. The data qualifications resulting from the data validation review and statements on the laboratory analytical precision, accuracy, representativeness, completeness, and comparability (PARCC) are discussed for each analytical method in Section 2. The laboratory data were reviewed and qualified with the following validation flags:

"U" - not detected at the value given,

"UJ" - estimated and not detected at the value given, and

"J" - estimated at the value given,

The validated laboratory data were tabulated and are presented in Attachment A.

1.3.1 Metals Analysis

The soil samples collected from the Plattsburgh AFB - Site OSAR were analyzed for lead at AEN using the USEPA SW-846 6010 analytical method. Certain reported results for the lead samples were qualified as estimated due to noncompliant calibration standard recoveries, matrix spike recoveries, laboratory duplicate precision, and field duplicate precision. Therefore, the lead analyses were 100% complete and usable for the data presented by AEN, and PARCC requirements were met overall.

The soil samples collected from the Plattsburgh AFB-Site ACA were analyzed for metals using the USEPA SW-846 6010/7471 analytical methods. Certain reported results for the metals samples were qualified as estimated due to noncompliant calibration standard recoveries, matrix spike recoveries, serial dilution results, and field duplicate precision. Therefore, the metals analyses were 100% complete and usable for the data presented by AEN, and PARCC requirements were met overall.

SECTION 2

DATA VALIDATION REPORTS

2.1 SITE OSAR

Data review has been completed for Site OSAR data packages generated by AEN containing soil samples collected from Plattsburgh AFB. The specific samples, the analyses performed, and a usability summary are presented in Table 2.1-1. All of the samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data for these samples are presented in Attachment A-1.

Data validation was performed for all samples in accordance with the most current edition of the USEPA Region II SOP for inorganic data review. Approximately ten percent of all samples collected were fully validated (USEPA Level IV). These samples are indicated in Table 2.1-1. All remaining samples were evaluated at a USEPA Level III data validation. This data validation and usability report is presented by analysis type.

2.1.1 Lead

The following were reviewed for compliancy in the lead analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation, and field blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- Matrix spike (MS) recoveries
- Laboratory duplicate precision
- Laboratory control sample
- Serial dilution
- Field duplicate precision
- Sample result verification and identification
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of calibrations, field blank contamination, matrix spike recoveries, laboratory duplicate precision, and field duplicate precision.

Calibrations

All initial and continuing calibration verifications were analyzed at the appropriate frequency and considered compliant with acceptable recoveries. All ICP standards were analyzed at the appropriate concentrations and frequency and considered acceptable with the exception of the standard recovered outside the 80-120% criteria for lead summarized in Table 2.1-2. Therefore, all lead results for those affected samples where the lead standard recovery fell below the QC limit were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ". Positive lead results for those affected samples where the lead standard recovery exceeded the QC limit were considered estimated, possibly biased high, and qualified "J".

Blank Contamination

All initial and continuing calibration and laboratory preparation blanks were analyzed at the appropriate frequency and considered compliant and acceptable. The field equipment blank OSARC-ER1 contained lead at a concentration of 4.3 µg/L associated with soil lead samples OSARC-1 through OSARC-19. Therefore, the validation action concentration for soil samples in this particular case is 4.3 mg/kg adjusted for the sample's percent moisture. As a result, all associated sample results with concentrations greater than the validation action concentration were acceptable and reported unqualified. However, all associated sample results with concentrations less than the validation action concentration were considered not detected and qualified "U".

Matrix Spike Recoveries

All MS recoveries were acceptable and within QC limits with the exception of lead (-10%) associated with the samples OSARC-55, 56, 57, and 58 which recovered below the 75-125% QC criteria. Therefore, all associated sample results, which were positive, were considered estimated, possibly biased low, and qualified "J".

Laboratory Duplicate Precision

All laboratory duplicate precision results were compliant and considered acceptable with the exception of lead during the laboratory duplicate analysis associated with samples OSARC-20 through OSARC-39. Therefore, all lead results for these samples were considered estimated with positive results qualified "J" and nondetected results qualified "UJ".

Field Duplicate Precision

Samples OSARC-31, 41, and 47 were collected as the field duplicate samples of OSARC-30, 40, and 46, respectively. These field duplicate samples were submitted to the

laboratory as blind field duplicates to eliminate the potential of possible sample biases during analysis. All field duplicate results were acceptable with the exception of the lead results for the field duplicate pair OSARC-46 (35.8 mg/kg) and OSARC-47 (118 mg/kg). Therefore, these results were considered estimated and qualified "J".

Usability

All of the lead data were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The lead data presented by AEN were 100% complete with all data considered usable and valid. The validated lead data are tabulated and presented in Attachment A-1.

2.2 SITE ACA

Data review has been completed for Site ACA data packages generated by AEN containing soil samples collected from Plattsburgh AFB. The specific samples, the analyses performed, and a usability summary are presented in Table 2.2-1. All of the samples were properly preserved, shipped under a COC record, and received intact by the analytical laboratory. The validated laboratory data for these samples are presented in Attachment A-2.

Data validation was performed for all samples in accordance with the most current edition of the USEPA Region II SOP for inorganic data review. Approximately ten percent of all samples collected were fully validated (USEPA Level IV). These samples are indicated in Table 2.2-1. All remaining samples were evaluated at a USEPA Level III data validation. This data validation and usability report is presented by analysis type.

2.2.1 Metals

The following were reviewed for compliancy in the metals analysis:

- Custody documentation
- Holding times
- Initial and continuing calibration verifications
- Initial and continuing calibration, laboratory preparation, and field blank contamination
- Inductively coupled plasma (ICP) interference check sample (ICS)
- Matrix spike (MS) recoveries
- Laboratory duplicate precision
- Laboratory control sample

- Serial dilution
- Field duplicate precision
- Sample result verification and identification
- Data completeness

These items were considered compliant and acceptable in accordance with the validation protocols with the exception of calibrations, matrix spike recoveries, serial dilution, and field duplicate precision.

Calibrations

All initial and continuing calibration verifications were analyzed at the appropriate frequency and considered compliant with acceptable recoveries. All ICP standards were analyzed at the appropriate concentrations and frequency and considered acceptable with the exception of the standards recovered outside the 80-120% criteria for lead (127%), selenium (123.6%), silver (189.3%), and thallium (61.5%) associated with samples ACA-3, 4, 5 , and 6; and zinc (124.9%) associated with samples ACA-1, 2, and ER2. Positive sample results for lead, selenium, silver, and zinc for the affected samples were considered estimated, possibly biased high, and qualified "J" since standard recoveries exceeded the QC limit. All results for thallium for the affected samples were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" since the thallium standard recovery fell below the QC limit.

Matrix Spike Recoveries

All MS recoveries were acceptable and within QC limits with the exception of the copper (69.4%), manganese (55.5%), mercury (149.8%), silver (52.1%), and zinc (60.6%) associated with all ACA soil samples which recovered outside the 75-125% QC criteria. Therefore, all results for copper, manganese, silver, and zinc were considered estimated, possibly biased low, with positive results qualified "J" and nondetected results qualified "UJ" since recoveries fell below the QC limit. Positive results for mercury were considered estimated, possibly biased high, and qualified "J" since the MS recovery exceeded the QC limit.

Serial Dilution

All serial dilution results were compliant and considered acceptable with the exception of potassium (10.5%) and zinc (12.9%) which exceeded the 10% difference criteria. Therefore, all potassium results greater than 40 mg/kg and zinc results greater than 2 mg/kg for the soil samples were considered estimated and qualified "J".

Field Duplicate Precision

Sample ACA-6 was collected as the field duplicate sample of ACA-5. ACA-6 was submitted to the laboratory as a blind duplicate sample to eliminate the potential of possible sample biases during analysis. All field duplicate results were acceptable with the

exception of manganese for ACA-5 (76.4 mg/kg) and ACA-6 (32.4 mg/kg). Therefore, these results were considered estimated and qualified "J".

Usability

All of the metals data were considered usable following data validation.

Summary

The quality assurance objectives for measurement data included considerations for precision, accuracy, representativeness, completeness, and comparability. The metals data presented by AEN were 100% complete with all data considered usable and valid. The validated metals data are tabulated and presented in Attachment A-2.

TABLE 2.1-1

SUMMARY OF SAMPLE ANALYSES AND USABILITY FOR OSARC

PLATTSBURGH AFB

SAMPLE ID	MATRIX	SAMPLE DATE	LEAD
OSARC-1*	Soil	11/20/97	OK
OSARC-2	Soil	11/20/97	OK
OSARC-3	Soil	11/20/97	OK
OSARC-4	Soil	11/20/97	OK
OSARC-5	Soil	11/20/97	OK
OSARC-6	Soil	11/20/97	OK
OSARC-7	Soil	11/20/97	OK
OSARC-8	Soil	11/20/97	OK
OSARC-9	Soil	11/20/97	OK
OSARC-10	Soil	11/20/97	OK
OSARC-11*	Soil	11/20/97	OK
OSARC-12	Soil	11/20/97	OK
OSARC-13	Soil	11/20/97	OK
OSARC-14	Soil	11/20/97	OK
OSARC-15	Soil	11/20/97	OK
OSARC-16	Soil	11/20/97	OK
OSARC-17	Soil	11/20/97	OK
OSARC-18	Soil	11/20/97	OK
OSARC-19	Soil	11/20/97	OK
OSARC-ER1	Water	11/20/97	OK
OSARC-20	Soil	11/25/97	OK
OSARC-21	Soil	11/25/97	OK
OSARC-22	Soil	11/25/97	OK
OSARC-23	Soil	11/25/97	OK
OSARC-24	Soil	11/25/97	OK
OSARC-25	Soil	11/25/97	OK
OSARC-26	Soil	11/25/97	OK
OSARC-27	Soil	11/25/97	OK
OSARC-28	Soil	11/25/97	OK
OSARC-29	Soil	11/25/97	OK
OSARC-30*	Soil	11/25/97	OK
OSARC-31	Soil	11/25/97	OK
OSARC-32	Soil	11/25/97	OK

TABLE 2.1-1
(CONTINUED)

SUMMARY OF SAMPLE ANALYSES AND USABILITY FOR OSARC

PLATTSBURGH AFB

SAMPLE ID	MATRIX	SAMPLE DATE	LEAD
OSARC-33	Soil	11/25/97	OK
OSARC-34	Soil	11/25/97	OK
OSARC-35	Soil	11/25/97	OK
OSARC-36	Soil	11/25/97	OK
OSARC-37	Soil	11/25/97	OK
OSARC-38	Soil	11/25/97	OK
OSARC-39	Soil	11/25/97	OK
OSARC-40*	Soil	11/25/97	OK
OSARC-41	Soil	11/25/97	OK
OSARC-42	Soil	11/25/97	OK
OSARC-43	Soil	11/25/97	OK
OSARC-44	Soil	11/25/97	OK
OSARC-45	Soil	11/25/97	OK
OSARC-46*	Soil	12/4/97	OK
OSARC-47	Soil	12/4/97	OK
OSARC-48	Soil	12/4/97	OK
OSARC-49	Soil	12/4/97	OK
OSARC-50	Soil	12/4/97	OK
OSARC-51	Soil	12/4/97	OK
OSARC-52	Soil	12/4/97	OK
OSARC-53	Soil	12/4/97	OK
OSARC-54	Soil	12/4/97	OK
OSARC-ER3	Water	12/4/97	OK
OSARC-55	Soil	12/12/97	OK
OSARC-56	Soil	12/12/97	OK
OSARC-57	Soil	12/12/97	OK
OSARC-58	Soil	12/12/97	OK
TOTAL SAMPLES			60

NOTES: * - Fully validated sample.

OK - Sample analysis considered valid and usable.

TABLE 2.1-2

LEAD CALIBRATION STANDARD RECOVERY OUTLIERS

PLATTSBURGH AFB

ANALYTE	CALIBRATION STANDARD RECOVERY (%)	AFFECTED SAMPLES
Lead	77	OSARC-12 through -19
Lead	75	OSARC-20 through -23, OSARC-32
Lead	128.2	OSARC-40 through -45
Lead	154.5 126.9	OSARC-46 through -54, OSARC-ER3
Lead	136.5 133.4	OSARC-55 through -58

TABLE 2.2-1

SUMMARY OF SAMPLE ANALYSES AND USABILITY FOR ACA

PLATTSBURGH AFB

SAMPLE ID	MATRIX	SAMPLE DATE	METALS
ACA-1	Soil	11/25/97	OK
ACA-2	Soil	11/25/97	OK
ACA-3	Soil	11/25/97	OK
ACA-4	Soil	11/25/97	OK
ACA-5*	Soil	11/25/97	OK
ACA-6	Soil	11/25/97	OK
ACA-ER2	Water	11/25/97	OK
	Total Samples		7

NOTES: * - Fully validated sample.

OK - Sample analysis considered valid and usable.

ATTACHMENT A

VALIDATED LABORATORY DATA

ATTACHMENT A-1

VALIDATED LABORATORY DATA FOR OSARC

HM/PARSONS ES D.O. 003 LATTSBURGH AIR FORCE BASE ALIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-ER1 972839A-20 AEN WATER 11/20/97 12/3/97 UG/L	OSARC-1 972839A-01 AEN SOIL 11/20/97 12/3/97	OSARC-2 972839A-02 AEN SOIL 11/20/97 12/3/97	OSARC-3 972839A-03 AEN SOIL 11/20/97 12/3/97	OSARC-4 972839A-04 AEN SOIL 11/20/97 12/3/97	OSARC-5 972839A-05 AEN SOIL 11/20/97 12/3/97	OSARC-6 972839A-06 AEN SOIL 11/20/97 12/3/97	OSARC-7 972839A-07 AEN SOIL 11/20/97 12/3/97
ompound [redacted] EAD	mg/Kg	4.3	8.3	4.8	8.5	7	1.6 U	1.4 U	2.5 U

HM/PARSONS ES D.O. 003 LATTSBURGH AIR FORCE BASE ALIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-8 972839A-08 AEN SOIL 11/20/97 12/3/97	OSARC-9 972839A-09 AEN SOIL 11/20/97 12/3/97	OSARC-10 972839A-10 AEN SOIL 11/20/97 12/3/97	OSARC-11 972839A-11 AEN SOIL 11/20/97 12/3/97	OSARC-12 972839A-12 AEN SOIL 11/20/97 12/3/97	OSARC-13 972839A-13 AEN SOIL 11/20/97 12/3/97	OSARC-14 972839A-14 AEN SOIL 11/20/97 12/3/97	OSARC-15 972839A-15 AEN SOIL 11/20/97 12/3/97
ompound [redacted] EAD	mg/Kg	71.2	63.1	332	10.7	5.1 J	12.2 J	6.5 J	20.9 J

HM/PARSONS ES D.O. 003 LATTSBURGH AIR FORCE BASE ALIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-16 972839A-16 AEN SOIL 11/20/97 12/3/97	OSARC-17 972839A-17 AEN SOIL 11/20/97 12/3/97	OSARC-18 972839A-18 AEN SOIL 11/20/97 12/3/97	OSARC-19 972839A-19 AEN SOIL 11/20/97 12/3/97	OSARC-20 972958A-01 AEN SOIL 11/25/97 2/3/98	OSARC-21 972958A-02 AEN SOIL 11/25/97 2/3/98	OSARC-22 972958A-03 AEN SOIL 11/25/97 2/3/98	OSARC-23 972958A-04 AEN SOIL 11/25/97 2/3/98
ompound [redacted] EAD	mg/Kg	193 J	211 J	18.5 J	24.8 J	48.5 J	19 J	71.1 J	9540 J

HM/PARSONS ES D.O. 003 LATTSBURGH AIR FORCE BASE ALIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-24 972958A-05 AEN SOIL 11/25/97 2/3/98	OSARC-25 972958A-06 AEN SOIL 11/25/97 2/3/98	OSARC-26 972958A-07 AEN SOIL 11/25/97 2/3/98	OSARC-27 972958A-08 AEN SOIL 11/25/97 2/3/98	OSARC-28 972958A-09 AEN SOIL 11/25/97 2/3/98	OSARC-29 972958A-10 AEN SOIL 11/25/97 2/3/98	OSARC-30 972958A-11 AEN SOIL 11/25/97 2/3/98	OSARC-31 972958A-12 AEN SOIL 11/25/97 2/3/98
ompound [redacted] EAD	mg/Kg	509 J	4290 J	32.8 J	2480 J	177 J	73.8 J	9 J	7.4 J

M/PARSONS ES D.O. 003 ATTSBURGH AIR FORCE BASE LIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-32 972958A-13 AEN SOIL 11/25/97 2/3/98	OSARC-33 972958A-14 AEN SOIL 11/25/97 2/3/98	OSARC-34 972958A-15 AEN SOIL 11/25/97 2/3/98	OSARC-35 972958A-16 AEN SOIL 11/25/97 2/3/98	OSARC-36 972958A-17 AEN SOIL 11/25/97 2/3/98	OSARC-37 972958A-18 AEN SOIL 11/25/97 2/3/98	OSARC-38 972958A-19 AEN SOIL 11/25/97 2/3/98	OSARC-39 972958A-20 AEN SOIL 11/25/97 2/3/98
mpound [redacted] AD	mg/Kg	84.6 J	10.3 J	59.1 J	55.6 J	270 J	32.8 J	26.9 J	99.3 J

M/PARSONS ES D.O. 003 ATTSBURGH AIR FORCE BASE LIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-40 972956A-01 AEN SOIL 11/25/97 2/3/98	OSARC-41 972956A-02 AEN SOIL 11/25/97 2/3/98	OSARC-42 972956A-03 AEN SOIL 11/25/97 2/3/98	OSARC-43 972956A-04 AEN SOIL 11/25/97 2/3/98	OSARC-44 972956A-05 AEN SOIL 11/25/97 2/3/98	OSARC-45 972956A-06 AEN SOIL 11/25/97 2/3/98	OSARC-ER3 973011A-10 AEN WATER 12/4/97 2/3/98 UG/L	OSARC-46 973011A-01 AEN SOIL 12/4/97 2/3/98
mpound [redacted] AD	mg/Kg	5.6 J	6.2 J	4.8 J	8.2 J	58.1 J	207 J	2 U	35.8 J

M/PARSONS ES D.O. 003 ATTSBURGH AIR FORCE BASE LIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-47 973011A-02 AEN SOIL 12/4/97 2/3/98	OSARC-48 973011A-03 AEN SOIL 12/4/97 2/3/98	OSARC-49 973011A-04 AEN SOIL 12/4/97 2/3/98	OSARC-50 973011A-05 AEN SOIL 12/4/97 2/3/98	OSARC-51 973011A-06 AEN SOIL 12/4/97 2/3/98	OSARC-52 973011A-07 AEN SOIL 12/4/97 2/3/98	OSARC-53 973011A-08 AEN SOIL 12/4/97 2/3/98	OSARC-54 973011A-09 AEN SOIL 12/4/97 2/3/98
mpound [redacted] AD	mg/Kg	118 J	296 J	2980 J	81.6 J	486 J	23.1 J	203 J	346 J

M/PARSONS ES D.O. 003 ATTSBURGH AIR FORCE BASE LIDATED ANALYTICAL DATA	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated: Units:	OSARC-55 973075A-01 AEN SOIL 12/12/97 2/3/98	OSARC-56 973075A-02 AEN SOIL 12/12/97 2/3/98	OSARC-57 973075A-03 AEN SOIL 12/12/97 2/3/98	OSARC-58 973075A-04 AEN SOIL 12/12/97 2/3/98
mpound [redacted] AD	mg/Kg	7.6 J	141 J	2.4 J	3 J

ATTACHMENT A-2

VALIDATED LABORATORY DATA FOR ACA

OHM/PARSONS ES D.O. 003 PLATTSBURGH AIR FORCE BASE VALIDATED ANALYTICAL DATA SDG: 2840A	Client ID: Sample ID: Laboratory: Matrix: Sampled: Validated:	ACAER2 972840A-07 AEN WATER 11/25/97 2/3/98	ACA-1 972840A-01 AEN SOIL 11/25/97 2/3/98	ACA-2 972840A-02 AEN SOIL 11/25/97 2/3/98	ACA-3 972840A-03 AEN SOIL 11/25/97 2/3/98	ACA-4 972840A-04 AEN SOIL 11/25/97 2/3/98	ACA-5 972840A-05 AEN SOIL 11/25/97 2/3/98	ACA-6 972840A-06 AEN SOIL 11/25/97 2/3/98
Compound	Units:	UG/L						
METALS								
Aluminum	MG/KG	13 U	2740	1650	3690	2490	1510	1340
Antimony	MG/KG	8 U	1.7 U	1.7 U	20.8	1.6 U	1.7 U	1.7 U
Arsenic	MG/KG	3 U	1.7 J	0.63 U	3.4	0.62 U	0.62 U	0.62 U
Barium	MG/KG	1 U	14.2 J	11.1 J	18.4 J	11.3 J	7.2 J	7.1 J
Beryllium	MG/KG	1 U	0.37 J	0.34 J	0.42 J	0.36 J	0.26 J	0.22 J
Cadmium	MG/KG	1 U	0.21 U	0.21 U	0.22 U	0.21 U	0.21 U	0.21 U
Calcium	MG/KG	13.8 J	1350	366 J	807 J	524 J	414 J	330 J
Chromium	MG/KG	1 U	5.3	2.4	5.7	3	1.9 J	1.8 J
Cobalt	MG/KG	2 U	2.7 J	1.3 J	2.3 J	1.4 J	1.3 J	0.91 J
Copper	MG/KG	1 U	47.6 J	4.3 J	34.4 J	2.9 J	6 J	3 J
Iron	MG/KG	20 U	6830	3830	10000	4810	3440	2610
Lead	MG/KG	2 U	61.4	2.7	2420 J	4.1 J	1.9 J	2 J
Magnesium	MG/KG	8 U	1400	744 J	1280	1070	713 J	602 J
Manganese	MG/KG	4 U	249 J	121 J	294 J	75.3 J	76.4 J	32.4 J
Mercury	MG/KG	0.2 U	0.11 U	0.1 U	0.11 U	0.1 U	0.1 U	0.1 U
Nickel	MG/KG	2 U	5.8 J	3 J	5 J	3.4 J	2.6 J	2 J
Potassium	MG/KG	28.3 J	287 J	139 J	392 J	348 J	191 J	105 J
Selenium	MG/KG	4 U	1.1	0.84 U	0.89 U	1.1 J	0.83 U	0.83 U
Silver	MG/KG	1 U	0.21 UJ	0.21 UJ	0.22 UJ	0.21 UJ	0.21 UJ	0.21 UJ
Sodium	MG/KG	195 J	40.8 J	33.3 J	77.2 J	55.8 J	46.9 J	33 J
Thallium	MG/KG	5 U	1.1 U	1 U	1.1 UJ	1 UJ	1 UJ	1 UJ
Vanadium	MG/KG	1 U	6.2 J	3.8 J	7.9 J	4.7 J	3.2 J	2.3 J
Zinc	MG/KG	10 J	174 J	23.5 J	139 J	24.7 J	40 J	27.9 J

APPENDIX H
WASTE MANIFESTS AND CERTIFICATES OF DISPOSAL

H.1 WASTE MANIFESTS

H.2 CERTIFICATES OF DISPOSAL

H.1 WASTE MANIFESTS

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4571924747 / 00001

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address:
AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841116 E

B. Generator's ID

4. Generator's Phone: (518) 563-2871

5. Transporter 1 (Company Name): Buffalo Fuel Corp

6. US EPA ID Number: NYD055150952

C. State Transporter's ID: 22130H N.

D. Transporter's Phone: (800) 283-933

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836791

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00028	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
c
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 903818-1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and ar classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmer regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to humar health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN G. GAGNIER — Signature — Mo. 11 Day 1 Ye 99

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: KEVIN SEELBINDER — Signature — Mo. 11 Day 1 Ye 99

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Ye

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Ye

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Document No.: NY 4 5 7 1 1 9 2 4 7 7 4 | 0 0 0 0 2

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841115 7

B. Generator's ID

4. Generator's Phone (518) 563-2871

5. Transporter 1 (Company Name): BUFFALO FUEL CORP

6. US EPA ID Number: NY 0 0 5 1 8 0 9 7 5 2

C. State Transporter's ID: 450947 NY

D. Transporter's Phone (800 268 9085

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NY D 0 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00022	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
c
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#403818-2

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economical practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to huma health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is availab to me and that I can afford.

Printed/Typed Name: STEPHEN G. GAGNIER | Signature | Mo. 1 Day 1 Ye 99

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: BERNARD L CLARK | Signature: Bernard L Clark | Mo. 1 Day 1 Y 99

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name | Signature | Mo. Day Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name | Signature | Mo. Day

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY4571924774 — Manifest Document No.: 00003
2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

A. State Manifest Document No.: NYB 841114 8

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~
426 US OVAL SUITE ~~2210~~ 2200
PLATTSBURGH, NY 12903

B. Generator's ID

4. Generator's Phone (518)563-2871

5. Transporter 1 (Company Name): Price Trucking Corp.
6. US EPA ID Number: NYD046765574

C. State Transporter's ID: NJ3684C
D. Transporter's Phone: (800) 825600

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836679

G. State Facility's ID
H. Facility's Phone: (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	Est 00022	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. BL4055
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 403818-3

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen G. Gagnier — Signature: [signature] — Mo. Day Year: 11 1 99

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Siegfried Wuetschner — Signature: [signature] — Mo. Day Year: 1 1 1 99

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

~~COPY 3–Disposer State–mailed by generator~~

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY4571924747 / 000004

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NY B 841113

4. Generator's Phone: (518) 563-2871

B. Generator's ID

5. Transporter 1 (Company Name): Price Trucking Corp

6. US EPA ID Number: NJD046716517

C. State Transporter's ID: NJ3402-AB

D. Transporter's Phone: (800) 825-6

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836719

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00022 EST	T	EPA D008 / STATE
b.					EPA / STATE
c. 17.2					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above

a BL4055

b

c

d

K. Handling Codes for Wastes Listed Above

a T

b

c

d

15. Special Handling Instructions and Additional Information

AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 403818-4

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economica practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to huma health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is availab to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Ye
Stephen G. Magnier		11	19	9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Y
Daniel R Hesslinger		1	1	99

18. Transporter 2 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo.	Day	Y

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4 5 7 1 1 9 2 4 7 7 4 | 0 0 0 0 5

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841111 2

B. Generator's ID

4. Generator's Phone: (518) 563-2871

5. Transporter 1 (Company Name): PAGE EIC, Inc

6. US EPA ID Number: NYD986969947

C. State Transporter's ID: 02369

D. Transporter's Phone: (800) 248-15

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836795

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00023 EST	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 404358-1

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
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Printed/Typed Name: STEPHEN G. GAGNIER — Signature — Mo. 11 Day 20 Ye

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: John Tyler — Signature — Mo. 11 Day 20 Y

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Y

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

8-141 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY4571924774 — Manifest Document No.: 00006
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAS~~
426 US OVAL SUITE ~~2210~~ 2200
PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document No.: NYB 841110 3
B. Generator's ID

5. Transporter 1 (Company Name): Page E.T.C. INC
6. US EPA ID Number: WYD986969947
C. State Transporter's ID: 20889NY
D. Transporter's Phone: 1-800-248-151[illegible]

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107
10. US EPA ID Number: NYD049836679
G. State Facility's ID
H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00029	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#404358-Z

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name: STEPHEN G GAGNIER — Signature: [signature] — Mo. Day Year: 1 1 2 0 9[illegible]

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: RANDY J FORD — Signature: Randy J Ford — Mo. Day Year: 1 1 2 0 9[illegible]

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility
COPY 3–Disposer State–mailed by generator

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Ce...00) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4571924774 00007

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~
426 US OVAL SUITE ~~2210~~ 2200
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841109 4

B. Generator's ID

4. Generator's Phone (518) 563-2871

5. Transporter 1 (Company Name): PAGE ETC. INC

6. US EPA ID Number: NJ0983697947

C. State Transporter's ID: XC4229 A

D. Transporter's Phone: 800 248-1510

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836719

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00022 EST	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 404358-3

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economical practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to huma health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is availab to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Ye
STEPHEN G. GAGNER		1	1	209

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Y
KEVIN TAPPER		1	1	2019

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo.	Day	Y

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved OMB No 2050-0039 Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY457119247774 Manifest Document No.: 00008
2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY ~~AFBCA/DAE~~ 426 US OVAL SUITE ~~2210~~ 2200 PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document No. NY B 841108 5
B. Generator's ID

5. Transporter 1 (Company Name): PAGE ETC. INC.
6. US EPA ID Number: NYD986967947

C. State Transporter's ID 77A 57
D. Transporter's Phone 315 23465

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, INC. 1550 BALMER ROAD MODEL CITY, NY 14107
10. US EPA ID Number: NYD049836679

G. State Facility's ID
H. Facility's Phone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00030	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
c
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 404358-4

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
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Printed/Typed Name: STEPHEN G. GAGNIER Signature: [signature] Mo. Day Year: 11 20 9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Ernie Smith Signature: [signature] Mo. Day Year: 11 20 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name Signature Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name Signature Mo. Day Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY4571924774 — Manifest Document No.: 00009
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~
426 US OVAL SUITE ~~2210~~ 2200
PLATTSBURGH, NY 12903

4. Generator's Phone (518)563-2871

A. State Manifest Document No. NYB 841107 6

B. Generator's ID

5. Transporter 1 (Company Name): Page ETC INC.
6. US EPA ID Number: WAD981696994?

C. State Transporter's ID T7697P04
D. Transporter's Phone (800) 49?-151?

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836679

G. State Facility's ID
H. Facility's Phone (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00028	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a BL4055
c
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 404358-5

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen G. Bagnier — Signature: [signature] — Mo. Day Year: 1 1 2 0 9?

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Dennis Jackett — Signature: [signature] — Mo. Day Year: 1 1 2 0 9?

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Year

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

(4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple. P.O. Box 12820, Albany, New York 12212 Form Approved. OMB No. 2050-0039 Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. N Y 4 5 7 1 1 9 2 4 7 7 4 Manifest Document No. 0 0 0 1 0
2. Page 1 of 1
Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~
426 US OVAL SUITE ~~2210~~ 2200
PLATTSBURGH, NY 12903
4. Generator's Phone (518) 563-2871

A. State Manifest Document No. NY B 841106
B. Generator's ID

5. Transporter 1 (Company Name) price trucking Co
6. US EPA ID Number MY D 0 4 6 7 6 5 5 7 4
C. State Transporter's ID 7216A2
D. Transporter's Phone (708) 825-600
7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107
10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9
G. State Facility's ID
H. Facility's Phone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S., 9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00024	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#404361-1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
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Printed/Typed Name STEPHEN G GAGNIER Signature [signature] Mo. Day Ye 11 21 9

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name Stephen Musall Signature Stephen Musall Mo. Day Ye 11 21 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name Signature Mo. Day Ye

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name Signature Mo. Day Ye

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility
~~COPY 3–Disposer State–mailed by generator~~

(See Reverse Side for Instructions)

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center ...24-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. NY457192477 4 — Manifest Document No. 00011	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~
426 US OVAL SUITE ~~2210~~ 2200
PLATTSBURGH, NY 12903

4. Generator's Phone (518)563-2871

A. State Manifest Document No. NYB 841105 8

B. Generator's ID

5. Transporter 1 (Company Name)

6. US EPA ID Number

C. State Transporter's ID 3402A3 ...

D. Transporter's Phone (300) 825-6...

7. Transporter 2 (Company Name): Price Trucking Corp.

8. US EPA ID Number: NYD046765574

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836679

G. State Facility's ID

H. Facility's Phone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00024	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
c
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#404361-Z

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a... classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme... regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo.	Day	Y...
Stephen G. Greentree	[signature]	11	21	9...

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Y...
Kenneth A. Beverly	[signature]	11	21	9...

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Y...

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo.	Day	Y...

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1—Disposer State—Mailed by TSD Facility

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. N Y 4 5 7 1 9 2 4 7 7 4 — Manifest Document No. 0 0 0 1 2

2. Page 1 of 1 — Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address
AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAL~~ 2200
426 US OVAL ~~SUITE 2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No. NY B 841104

B. Generator's ID

4. Generator's Phone (518) 563-2871

5. Transporter 1 (Company Name) Price Trucking Corp.

6. US EPA ID Number N Y D 0 1 6 7 1 6 5 5 7 1

C. State Transporter's ID NY 2165A

D. Transporter's Phone (800) 825-00

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number N Y D 0 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00027 EST	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 404361-3

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Printed/Typed Name STEPHEN G. GAGNER — Signature — Mo. 11 Day 2 Ye 96

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name RODNEY R. REYNOLDS — Signature — Mo. 11 Day 26 Y 96

18. Transporter 2 (Acknowledgement of Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Y

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4 5 7 1 9 2 4 7 7 4 / 0 0 0 1 3

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NY B 841103

B. Generator's ID

4. Generator's Phone: (518) 563-2871

5. Transporter 1 (Company Name): PRICE TRUCKING CORP

6. US EPA ID Number: NYD046765574

C. State Transporter's ID: 6566 SNL

D. Transporter's Phone: (800) 825-60

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836799

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00028 EST	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above

a. BL4055

b.

c.

d.

K. Handling Codes for Wastes Listed Above

a. T

b.

c.

d.

15. Special Handling Instructions and Additional Information

AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#404361-4

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Printed/Typed Name	Signature	Mo.	Day
STEPHEN G. GRAGNIER		11	21

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day
CHRISTOPHER L. PARKER		11	21

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo.	Day

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility
COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: N Y 4 5 7 1 9 2 4 7 7 4 | 0 0 1 1 4

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NY B 841101 3

B. Generator's ID

4. Generator's Phone: (518) 563-2871

5. Transporter 1 (Company Name): Pine Tracking corp

6. US EPA ID Number: N Y D 0 1 4 6 7 6 5 5 7 4

C. State Transporter's ID: NY 3165-121

D. Transporter's Phone: (800) 825-6001

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: N Y D 0 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00028	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 404361-5

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and ar classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmer regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economicall practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to humar health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: STEPHEN R. GRANIER — Signature — Mo. 11 Day 21 Ye 9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: Daniel R Hessling — Signature — Mo. 11 Day 21 Ye 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Ye

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Ye

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator's US EPA No. / Manifest Document No.	2. Page 1 of 1	Information in the shaded areas is not required by Federal Law.
	NY4571924774 / 00015	1	

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document No. NYB 841100

B. Generator's ID

5. Transporter 1 (Company Name): Page E.T.C Inc

6. US EPA ID Number: NYD986969947

C. State Transporter's ID: 20889NL

D. Transporter's Phone 1-800-248-15

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836679

G. State Facility's ID

H. Facility's Phone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00028	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a BL4055
c
b
d

K. Handling Codes for Wastes Listed Above
a T
c
b
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#405454-1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a[re] classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme[nt] regulations and state laws and regulations.
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Printed/Typed Name	Signature	Mo. Day Ye[ar]
Stephen G. Gagnier	[signature]	11 24 9

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo. Day Ye[ar]
RANDY J FORD	Randy J Ford	11 24 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo. Day Ye[ar]

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo. Day Ye[ar]

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY4571924774 — Manifest Document No.: 00016
2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

A. State Manifest Document No.: NYB 841139 1

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY ~~AFBCA/DAE~~ 426 US OVAL SUITE ~~2210~~ 2200 PLATTSBURGH, NY 12903

B. Generator's ID

4. Generator's Phone (518) 563-2871

5. Transporter 1 (Company Name)
6. US EPA ID Number: NYD986969947

C. State Transporter's ID: T7AST
D. Transporter's Phone: 315 834698

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, INC. 1550 BALMER ROAD MODEL CITY, NY 14107
10. US EPA ID Number: NYD049836679

G. State Facility's ID
H. Facility's Phone: (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00028	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#405454-2

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
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Printed/Typed Name: Stephen G Gregnier — Signature: [signature] — Mo. Day Yr: 11 24 9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: ~~Ernie~~ Ernie Smith — Signature: Ernie Smith — Mo. Day Yr: 11 24 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Yr

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Yr

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility
COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. | Manifest Document No.: NY 4 5 7 1 9 2 4 7 7 4 | 0 0 0 1 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NY B 841138 2

B. Generator's ID

4. Generator's Phone (518) 563-2871

5. Transporter 1 (Company Name): PAGE ETC INC.

6. US EPA ID Number: NYD986969947

C. State Transporter's ID: M79882 n

D. Transporter's Phone (800) 04815 n

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836719

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00028 EST	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#405454-3

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
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Printed/Typed Name: STEPHEN G. GRENIER | Signature | Mo. 11 Day 24 Ye 9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: JOHN E. II RICH | Signature | Mo. 11 Day 24 Y 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name | Signature | Mo. Day Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name | Signature | Mo. Day Y

In case of emergency or spill immediately call the National Response Cen 0) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4 5 7 1 9 2 4 7 7 4 / 0 0 0 1 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841137 3

B. Generator's ID

4. Generator's Phone (518) 563-2871

5. Transporter 1 (Company Name): PAGE ETC INC

6. US EPA ID Number: WYD986969947

C. State Transporter's ID: US2581 M

D. Transporter's Phone: 800 248 15

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD 0 4 9 8 3 6 6 7 9

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

GENERATOR

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00028 EAT	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above

a BL4055

c

b

d

K. Handling Codes for Wastes Listed Above

a T

c

b

d

15. Special Handling Instructions and Additional Information

AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ ~~SR#405455~~ SR#405454-4

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and a classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governme regulations and state laws and regulations.
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Printed/Typed Name: STEPHEN G. GREGNIOT — Signature — Mo. 11 Day 24 Ye 9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name: DANA K JENSEN — Signature — Mo. 11 Day 24 Ye 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name — Signature — Mo. Day Ye

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name — Signature — Mo. Day Ye

In case of emergency or spill immediately call the National Response Ce 00) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
- DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Ce[illegible]00) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4 5 7 1 9 2 4 7 7 4 | 0 0 0 1 9

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841136

B. Generator's ID

4. Generator's Phone: (518) 563-2871

5. Transporter 1 (Company Name): Buffalo Fuel Corp.

6. US EPA ID Number: NYP051809952

C. State Transporter's ID: 988347

D. Transporter's Phone: 800 2C6908

7. Transporter 2 (Company Name)

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD049836791

G. State Facility's ID

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	00028 EST	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information
AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#405779-1

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Printed/Typed Name: STEPHEN G. GARNIER — Signature — Mo. 1 Day 1 Ye 59

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)
Printed/Typed Name: RANDALL WARD — Signature — Mo. 1 Day 1 Y 59

18. Transporter 2 (Acknowledgement or Receipt of Materials)
Printed/Typed Name — Signature — Mo. Day Y

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.
Printed/Typed Name — Signature — Mo. Day Y

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility
COPY 3–Disposer State–mailed by generator

48-14-1 (4/96)-7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY4571924774 — Manifest Document No.: 00020
2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY ~~AFBCA/DAE~~ 426 US OVAL SUITE ~~2210~~ 2200 PLATTSBURGH, NY 12903

4. Generator's Phone (518) 563-2871

A. State Manifest Document No. NY B 841135 5

B. Generator's ID

5. Transporter 1 (Company Name): Buffalo Fuel Corp.
6. US EPA ID Number: NYD051809952

C. State Transporter's ID 93451K.NY
D. Transporter's Phone (800) 208-408

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID
F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, INC. 1550 BALMER ROAD MODEL CITY, NY 14107
10. US EPA ID Number: NYD049836679

G. State Facility's ID
H. Facility's Phone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00028	T	EPA D008 STATE
b.					EPA STATE
c.					EPA STATE
d.					EPA STATE

J. Additional Descriptions for Materials listed Above
a BL4055
b
c
d

K. Handling Codes for Wastes Listed Above
a T
b
c
d

15. Special Handling Instructions and Additional Information

AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR#405779-Z

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Printed/Typed Name	Signature	Mo.	Day	Year
STEPHEN G. GARDNER	[signature]	11	25	9

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Year
KENNETH L WASKIEWICZ	Kenneth L. Waskiewicz	11	25	9

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo.	Day	Year

GENERATOR / TRANSPORTER / FACILITY

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1—Disposer State—Mailed by TSD Facility

COPY 3—Disposer State—mailed by generator

48-14-1 (4/96)–7a

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

Please print or type. Do not Staple.

P.O. Box 12820, Albany, New York 12212

Form Approved. OMB No. 2050-0039. Expires 9-30-96

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: NY457119247774 — Manifest Document No.: 00021
2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY ~~AFBCA/DAE~~ 426 US OVAL SUITE ~~2210~~ 2200 PLATTSBURGH, NY 12903
4. Generator's Phone (518)563-2871

A. State Manifest Document No. NYB 841134 6

B. Generator's ID

5. Transporter 1 (Company Name): BUFFALO FUEL CORP.
6. US EPA ID Number: NYD051809952

C. State Transporter's ID 25492H(NY)

D. Transporter's Phone (800) 208 9089

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone ( )

9. Designated Facility Name and Site Address: CWM CHEMICAL SERVICES, INC. 1550 BALMER ROAD MODEL CITY, NY 14107
10. US EPA ID Number: NYD049836679

G. State Facility's ID

H. Facility's Phone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	001	DT	EST 00028	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

GENERATOR

J. Additional Descriptions for Materials listed Above

a BL4055 c

b d

K. Handling Codes for Wastes Listed Above

a T c

b d

15. Special Handling Instructions and Additional Information

AETS EMERGENCY RESPONSE NUMBER 800-353-2387

~~ERG GUIDE 171~~ SR#405779-3

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Printed/Typed Name: STEPHEN G. GRENIER — Signature: [signature] — Mo. Day Year: 1 1 25 9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name: Joseph OConnor — Signature: Joseph Oconna — Mo. Day Year: 1 1 25 9

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name — Signature — Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name — Signature — Mo. Day Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

48-14-1 (4/96)–7a.

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please print or type. Do not Staple.

Form Approved. OMB No 2050-0039. Expires 9-30-96

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the N.Y. Dept. of Environmental Conservation (518) 457-7362.

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. / Manifest Document No.: NY 4 5 7 1 9 2 4 7 4 | 0 0 0 2 2

2. Page 1 of 1

Information in the shaded areas is not required by Federal Law.

3. Generator's Name and Mailing Address: AIR FORCE BASE CONVERSION AGENCY
~~AFBCA/DAE~~ 2200
426 US OVAL SUITE ~~2210~~
PLATTSBURGH, NY 12903

A. State Manifest Document No.: NYB 841121 1

B. Generator's ID: same

4. Generator's Phone: (518) 563-2871

5. Transporter 1 (Company Name): Buffalo Fuel Corp

6. US EPA ID Number: NYD 0 5 1 8 0 9 9 5 1

C. State Transporter's ID: 22150.T

D. Transporter's Phone: (30) 208-53

7. Transporter 2 (Company Name):

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone: ( )

9. Designated Facility Name and Site Address:
CWM CHEMICAL SERVICES, INC.
1550 BALMER ROAD
MODEL CITY, NY 14107

10. US EPA ID Number: NYD 0 4 9 8 3 6 6 7 9

G. State Facility's ID:

H. Facility's Phone: (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
GENERATOR a. RQ, HAZARDOUS WASTE SOLID, N.O.S.,9, NA3077, PG III (LEAD CONTAMINATED SOIL, D008)	0 0 1	DT	EST 0 0 0 2 8	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above

a. BL4055

b.

c.

d.

K. Handling Codes for Wastes Listed Above

a. T

b.

c.

d.

15. Special Handling Instructions and Additional Information

AETS EMERGENCY RESPONSE NUMBER 800-353-2387
~~ERG GUIDE 171~~ SR# 407194-1

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and ar classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmer regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economicall practicable and that I have selected the practicable method treatment, storage, or disposal currently available to me which minimizes the present and future threat to huma health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Mo.	Day	Ye
Stephen G Gagnier		12	04	9

TRANSPORTER

17. Transporter 1 (Acknowledgement of Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Ye
KEVIN SEELBINDER		12	04	9

18. Transporter 2 (Acknowledgement or Receipt of Materials)

Printed/Typed Name	Signature	Mo.	Day	Ye

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name	Signature	Mo.	Day	Ye

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

COPY 1–Disposer State–Mailed by TSD Facility

COPY 3–Disposer State–mailed by generator

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG 0402291

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

COA

Please type or print. Do not staple. (Rev. 3/97)

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No.: N Y 4 5 7 1 9 2 4 7 7 4 | Manifest Doc. No.: 00023

2. Page 1 of 1

Information within heavy bold line is not required by Federal Law.

GENERATOR

3. Generator's Name and Mailing Address
PLATTSBURGH AIR FORCE BASE CONVERSION Agency
~~324 US OVAL~~ 426 US OVAL Suite 2200
PLATTSBURGH AFB NY 12903-3304

4. Generator's Telephone Number (~~914-565-8100~~ 518-563-2871

A. NYG0402291

B. Generator's ID: Same

5. Transporter 1 (Company Name): Buffalo Fuel Corp
6. US EPA ID Number: NYD051809952

C. State Transporter's ID: 93452RNY

D. Transporter's Telephone: 800 208-9669

7. Transporter 2 (Company Name)
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER RD.
MODEL CITY NY 14107

10. US EPA ID Number: NYD049836679

G. State Facility ID

H. Facility Telephone (716 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD) (Lead Contaminated Soil, D008)	001	DT	00028 EST	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. BL4055
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. T
b.
c.
d.

15. Special Handling Instructions and Additional Information
RETS Emergency Response Number (888)353-2387
SR#407194-2

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name: Stephen G Gonyer | Signature | Mo. 12 Day 04 Year 97

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Joseph I Meyers | Signature | Mo. 12 Day 04 Year 97

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Mo. Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name | Signature | Mo. Day Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 1 — Disposer State — Mailed by TSD Facility

COPY 3 — Disposer State — Mailed by Generator

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG0402309

HAZARDOUS WASTE MANIFEST

P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple. (Rev. 3.9

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA No. NY4571924774 Manifest Doc. No. 400024
2. Page 1 of 1
Information within heavy bold line is not required by Federal Law.

A. NYG0402309

3. Generator's Name and Mailing Address
PLATTSBURGH AIR FORCE BASE CONVERSION AGENCY
~~554 US RTE~~ 4264 5 OVAL Suite 2200
PLATTSBURGH AFB NY 12903-3304

B. Generator's ID

4. Generator's Telephone Number (~~914 565 3163~~ 518-563-3371

5. Transporter 1 (Company Name) Buffalo Fuel Corp
6. US EPA ID Number NYD051809752
C. State Transporter's ID 72723 ENT
D. Transporter's Telephone (800) 677-8800

7. Transporter 2 (Company Name)
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Telephone ( )

9. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, INC.
1550 BALMER RD.
MODEL CITY NY 14107
10. US EPA ID Number NYD049836679
G. State Facility ID
H. Facility Telephone (716) 754-8231

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)	12. Containers Number	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. RQ, HAZARDOUS WASTE, SOLID, N.O.S., 9, NA3077, III, (LEAD) (LEAD CONTAMINATED SOIL)	001	DT	00025T	T	EPA D008 / STATE
b.					EPA / STATE
c.					EPA / STATE
d.					EPA / STATE

J. Additional Descriptions for Materials listed Above
a. BL4055
b.
c.
d.

K. Handling Codes for Wastes Listed Above
a. c.
b. d.

15. Special Handling Instructions and Additional Information
AETS Emergency Response Number (888)353-2387
SR# 408712-1

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping nam and are classified, packed, marked and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and state laws and regulations.
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determin to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes th present and future threat to human health and the environment; OR if I am a small generator, I have made a good faith effort to minimize my waste and sele the best waste management method that is available to me and that I can afford.

Printed/Typed Name STEPHEN G. GARNIER Signature Mo. 12 Day 19 Yec

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name Jim Johnson Signature Jim Johnson Mo. 12 Day 19 Yec

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name Signature Mo. Day Yec

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name Signature Mo. Day Yec

In case of emergency or spill immediately call the National Response Center (800) 424-8802 and the NYS Department of Environmental Conservation (518) 457-7362

COPY 1 — Disposer State — Mailed by TSD Facility

H.2 CERTIFICATES OF DISPOSAL

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/20/97 as described on Hazardous Waste Manifest number NYB8411166 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147812901
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100110
11/25/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: TRAFFIC DEPARTMENT
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/20/97 as described on Hazardous Waste Manifest number NYB8411157 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147813301
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 103307
01/09/98

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: TRAFFIC DEPARTMENT
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/20/97 as described on Hazardous Waste Manifest number NYB8411148 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147819401
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 103309
01/09/98

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: TRAFFIC DEPARTMENT
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/20/97 as described on Hazardous Waste Manifest number NYB8411139 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147819301
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 103308
01/09/98

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/21/97 as described on Hazardous Waste Manifest number NYB8411112 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147825201
CWM Unit #: 1*0
Disposal Date: 11/21/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100046
11/24/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107
Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/21/97 as described on Hazardous Waste Manifest number NYB8411103 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147825801
CWM Unit #: 1*0
Disposal Date: 11/21/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100047
11/24/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/21/97 as described on Hazardous Waste Manifest number NYB8411094 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147826201
CWM Unit #: 1*0
Disposal Date: 11/21/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100048
11/24/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/21/97 as described on Hazardous Waste Manifest number NYB8411085 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147826701
CWM Unit #: 1*0
Disposal Date: 11/21/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100049
11/24/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/21/97 as described on Hazardous Waste Manifest number NYB8411076 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147825101
CWM Unit #: 1*0
Disposal Date: 11/21/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100045
11/24/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/24/97 as described on Hazardous Waste Manifest number NYB8411067 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147836301
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100138
11/25/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/24/97 as described on Hazardous Waste Manifest number NYB8411058 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147836101
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100136
11/25/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/24/97 as described on Hazardous Waste Manifest number NYB8411049 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147840801
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100176
11/25/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/24/97 as described on Hazardous Waste Manifest number NYB8411031 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147840501
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100174
11/25/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/24/97 as described on Hazardous Waste Manifest number NYB8411013 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147841201
CWM Unit #: 1*0
Disposal Date: 11/24/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100178
11/25/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/25/97 as described on Hazardous Waste Manifest number NYB8411004 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147845101
CWM Unit #: 1*0
Disposal Date: 11/25/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100252
11/26/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

CWM Chemical Services, Inc.
1550 Balmer Rd.
P.O. Box 200
Model City, N. Y. 14107

Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/25/97 as described on Hazardous Waste Manifest number NYB8411391 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147844601
CWM Unit #: 1*0
Disposal Date: 11/25/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100248
11/26/97

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ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/25/97 as described on Hazardous Waste Manifest number NYB8411382 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147844701
CWM Unit #: 1*0
Disposal Date: 11/25/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100249
11/26/97

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NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/25/97 as described on Hazardous Waste Manifest number NYB8411373 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147845001
CWM Unit #: 1*0
Disposal Date: 11/25/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100251
11/26/97

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NY4571924774
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PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/26/97 as described on Hazardous Waste Manifest number NYB8411364 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147856101
CWM Unit #: 1*0
Disposal Date: 11/26/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100394
12/01/97

For questions please call our Customer Service Dept. at (800) 843-3604

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NY4571924774
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PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/26/97 as described on Hazardous Waste Manifest number NYB8411355 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147856001
CWM Unit #: 1*0
Disposal Date: 11/26/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100393
12/01/97

For questions please call our Customer Service Dept. at (800) 843-3604

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AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 11/26/97 as described on Hazardous Waste Manifest number NYB8411346 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147861601
CWM Unit #: 1*0
Disposal Date: 11/26/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 100444
12/01/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

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PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 12/05/97 as described on Hazardous Waste Manifest number NYB8411211 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147902601
CWM Unit #: 1*0
Disposal Date: 12/05/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 101135
12/08/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

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1550 Balmer Rd.
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Phone 716/754-8231

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: MANIFEST SECTION
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 12/05/97 as described on Hazardous Waste Manifest number NYG0402291 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147902501
CWM Unit #: 1*0
Disposal Date: 12/05/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 101134
12/08/97

For questions please call our Customer Service Dept. at (800) 843-3604

Waste Management, Inc.

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1550 Balmer Rd.
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Model City, N. Y. 14107

Federal EPA ID: NYD049836679

AIR FORCE BASE CONVERION AGENCY
ATTN: TRAFFIC DEPARTMENT
NY4571924774
426 US OVAL SUITE 2200
PLATTSBURGH NY 12903

CERTIFICATE OF DISPOSAL

CWM Chemical Services, Inc. has received waste material from AIR FORCE BASE CONVERION AGENCY on 12/16/97 as described on Hazardous Waste Manifest number NYG0402309 Sequence number 01.

Profile Number: BL4055
CWM Tracking ID: 8147962801
CWM Unit #: 1*0
Disposal Date: 12/16/97

I certify, on behalf of the above listed treatment facility, that to the best of my knowledge, the above-described waste was managed in compliance with all applicable laws, regulations, permits and licenses on the date listed above.

Jill Knickerbocker

JILL KNICKERBOCKER
TECHNICAL MANAGER
Certificate # 101825
12/17/97

For questions please call our Customer Service Dept. at (800) 843-3604